

# Medicare Hospital INFORMATION Report

EMBARGOED FOR RELEASE:  
WEDNESDAY, JUNE 10, 1992  
6 P.M. EDT



1992  
Missouri

PUBS  
RA  
981  
A2  
M43  
1988-1990, v.  
27



RA981  
.A2  
M45  
1988-1990  
v.27

# MEDICARE HOSPITAL INFORMATION

1988 • 1989 • 1990

~~~~~

Volume 27

~~~~~

## MISSOURI

~~~~~

LOUIS W. SULLIVAN, M.D.  
*Secretary*  
U.S. Department of Health and Human Services

WILLIAM TOBY  
*Acting Administrator*  
Health Care Financing Administration

# STATES BY VOLUME

| VOL | STATE                             | VOL | STATE                         |
|-----|-----------------------------------|-----|-------------------------------|
| 1   | ALABAMA                           | 28  | MONTANA                       |
| 2   | ALASKA                            | 29  | NEBRASKA                      |
| 3   | ARIZONA                           | 30  | NEVADA                        |
| 4   | ARKANSAS                          | 31  | NEW HAMPSHIRE                 |
| 5   | CALIFORNIA (Part 1)               | 32  | NEW JERSEY                    |
| 6   | CALIFORNIA (Part 2)               | 33  | NEW MEXICO                    |
| 7   | COLORADO                          | 34  | NEW YORK                      |
| 8   | CONNECTICUT                       | 35  | NORTH CAROLINA                |
| 9   | DELAWARE                          | 36  | NORTH DAKOTA                  |
| 10  | DISTRICT OF COLUMBIA              | 37  | OHIO                          |
| 11  | FLORIDA                           | 38  | OKLAHOMA                      |
| 12  | GEORGIA                           | 39  | OREGON                        |
| 13  | HAWAII,<br>AMERICAN SAMOA<br>GUAM | 40  | PENNSYLVANIA                  |
| 14  | IDAHO                             | 41  | PUERTO RICO<br>VIRGIN ISLANDS |
| 15  | ILLINOIS                          | 42  | RHODE ISLAND                  |
| 16  | INDIANA                           | 43  | SOUTH CAROLINA                |
| 17  | IOWA                              | 44  | SOUTH DAKOTA                  |
| 18  | KANSAS                            | 45  | TENNESSEE                     |
| 19  | KENTUCKY                          | 46  | TEXAS (Part 1)                |
| 20  | LOUISIANA                         | 47  | TEXAS (Part 2)                |
| 21  | MAINE                             | 48  | UTAH                          |
| 22  | MARYLAND                          | 49  | VERMONT                       |
| 23  | MASSACHUSETTS                     | 50  | VIRGINIA                      |
| 24  | MICHIGAN                          | 51  | WASHINGTON                    |
| 25  | MINNESOTA                         | 52  | WEST VIRGINIA                 |
| 26  | MISSISSIPPI                       | 53  | WISCONSIN                     |
| 27  | MISSOURI                          | 54  | WYOMING                       |
|     |                                   | 55  | TECHNICAL SUPPLEMENT          |



## FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

**The information in this release is not intended as a direct measure of quality of care.** It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

# TABLE OF CONTENTS

|                                          |    |
|------------------------------------------|----|
| Introduction.....                        | ix |
| ALBERT M KELLER MEMORIAL HOSPITAL .....  | 2  |
| ALEXIAN BROTHERS HOSPITAL.....           | 4  |
| ARCADIA VALLEY HOSPITAL .....            | 6  |
| AUDRAIN MEDICAL CENTER.....              | 8  |
| AURORA COMMUNITY HOSPITAL.....           | 10 |
| BAPTIST MEDICAL CENTER .....             | 12 |
| BARNES HOSPITAL .....                    | 14 |
| BARTON COUNTY MEMORIAL HOSPITAL.....     | 16 |
| BATES COUNTY MEMORIAL HOSPITAL.....      | 18 |
| BETHESDA GENERAL HOSPITAL .....          | 20 |
| BONNE TERRE HOSPITAL.....                | 22 |
| BOONE HOSPITAL CENTER.....               | 24 |
| BOTHWELL REGIONAL HEALTH CENTER.....     | 26 |
| BREECH MEDICAL CENTER .....              | 28 |
| CALLAWAY MEMORIAL HOSPITAL.....          | 30 |
| CAMERON COMMUNITY HOSPITAL.....          | 32 |
| CARROLL COUNTY MEMORIAL HOSPITAL .....   | 34 |
| CASS MEDICAL CENTER.....                 | 36 |
| CEDAR COUNTY MEMORIAL HOSPITAL .....     | 38 |
| CENTRAL MEDICAL CENTER INC.....          | 40 |
| CHAFFEE GENERAL HOSPITAL .....           | 42 |
| CHARLES E STILL HOSPITAL .....           | 44 |
| CHRISTIAN HOSPITAL NORTHEAST.....        | 46 |
| CHRISTIAN HOSPITAL NORTHWEST .....       | 48 |
| CITIZENS MEMORIAL HOSPITAL.....          | 50 |
| COLUMBIA REGIONAL HOSPITAL.....          | 52 |
| COOPER COUNTY MEMORIAL HOSPITAL .....    | 54 |
| COX MEDICAL CENTER.....                  | 56 |
| DADE COUNTY MEMORIAL HOSPITAL .....      | 58 |
| DEACONESS HOSPITAL.....                  | 60 |
| DEPAUL HEALTH CENTER.....                | 62 |
| DEXTER MEMORIAL HOSPITAL .....           | 64 |
| DOCTORS REGIONAL MEDICAL CENTER.....     | 66 |
| ELLETT MEMORIAL HOSPITAL .....           | 68 |
| EXCELSIOR SPRINGS MEDICAL CENTER .....   | 70 |
| FAIRFAX COMMUNITY HOSPITAL .....         | 72 |
| FAITH HOSPITAL .....                     | 74 |
| FARMINGTON REGIONAL MEDICAL CENTER.....  | 76 |
| FISCHEL ELLIS STATE CANCER HOSPITAL..... | 78 |
| FREEMAN HOSPITAL.....                    | 80 |
| GENTRY COUNTY MEMORIAL HOSPITAL.....     | 82 |



|                                             |     |
|---------------------------------------------|-----|
| GOLDEN VALLEY MEMORIAL.....                 | 84  |
| GRIM-SMITH HOSPITAL AND CLINIC .....        | 86  |
| HANNIBAL REGIONAL HEALTHCARE SYSTEM .....   | 88  |
| HARRISON COUNTY COMMUNITY HOSPITAL.....     | 90  |
| HEARTLAND EAST HOSPITAL .....               | 92  |
| HEARTLAND WEST HOSPITAL.....                | 94  |
| HEDRICK MEDICAL CENTER.....                 | 96  |
| HERMANN AREA DISTRICT HOSPITAL.....         | 98  |
| INCARNATE WORD HOSPITAL.....                | 100 |
| INDEPENDENCE REGIONAL HEALTH CENTER.....    | 102 |
| JEFFERSON MEMORIAL HOSPITAL.....            | 104 |
| JEWISH HOSPITAL .....                       | 106 |
| JOHN FITZGIBBON MEMORIAL HOSPITAL.....      | 108 |
| KIRKSVILLE OSTEOPATHIC HEALTH CENTER.....   | 110 |
| LAFAYETTE REGIONAL HEALTH CENTER .....      | 112 |
| LAKE OF THE OZARKS GENERAL HOSPITAL .....   | 114 |
| LAKELAND REGIONAL HOSPITAL.....             | 116 |
| LAKESIDE HOSPITAL.....                      | 118 |
| LEES SUMMIT HOSPITAL.....                   | 120 |
| LIBERTY HOSPITAL.....                       | 122 |
| LINCOLN COUNTY MEMORIAL HOSPITAL.....       | 124 |
| LUCY LEE HOSPITAL .....                     | 126 |
| LUTHERAN MEDICAL CENTER .....               | 128 |
| MADISON MEMORIAL HOSPITAL .....             | 130 |
| MCCUNE BROOKS HOSPITAL.....                 | 132 |
| MEDICAL CENTER OF INDEPENDENCE .....        | 134 |
| MEMORIAL COMMUNITY HOSPITAL.....            | 136 |
| MENORAH MEDICAL CENTER .....                | 138 |
| MERCY HOSPITAL.....                         | 140 |
| METROPOLITAN MEDICAL CENTER NORTH.....      | 142 |
| METROPOLITAN MEDICAL CENTER WEST.....       | 144 |
| MINERAL AREA OSTEOPATHIC HOSPITAL.....      | 146 |
| MISSOURI BAPTIST HOSPITAL SULLIVAN.....     | 148 |
| MISSOURI BAPTIST HOSPITAL WENTZVILLE.....   | 150 |
| MISSOURI BAPTIST MEDICAL CENTER .....       | 152 |
| MISSOURI DELTA MEDICAL CENTER.....          | 154 |
| MOBERLY REGIONAL MEDICAL CENTER .....       | 156 |
| NEVADA CITY HOSPITAL.....                   | 158 |
| NORTH KANSAS CITY HOSPITAL.....             | 160 |
| OAK HILL HOSPITAL .....                     | 162 |
| OZARKS MEDICAL CENTER .....                 | 164 |
| PARK LANE MEDICAL CENTER.....               | 166 |
| PEMISCOT MEMORIAL HOSPITAL .....            | 168 |
| PERRY COUNTY MEMORIAL HOSPITAL .....        | 170 |
| PERSHING MEMORIAL HOSPITAL.....             | 172 |
| PHELPS COUNTY REGIONAL MEDICAL CENTER ..... | 174 |

|                                               |     |
|-----------------------------------------------|-----|
| PIKE COUNTY MEMORIAL HOSPITAL .....           | 176 |
| PUTNAM COUNTY MEMORIAL HOSPITAL .....         | 178 |
| RAY COUNTY MEMORIAL HOSPITAL.....             | 180 |
| RESEARCH MEDICAL CENTER.....                  | 182 |
| REYNOLDS COUNTY GENERAL MEM HOSPITAL.....     | 184 |
| RIPLEY COUNTY MEMORIAL HOSPITAL.....          | 186 |
| SAC-OSAGE HOSPITAL.....                       | 188 |
| SALE HOSPITAL INC.....                        | 190 |
| SALEM MEMORIAL HOSPITAL DISTRICT .....        | 192 |
| SAMARITAN MEMORIAL HOSPITAL.....              | 194 |
| SCOTLAND COUNTY MEMORIAL HOSPITAL .....       | 196 |
| SKAGGS COMMUNITY HOSPITAL.....                | 198 |
| SOUTH BARRY COUNTY MEMORIAL .....             | 200 |
| SOUTHEAST MISSOURI HOSPITAL.....              | 202 |
| SPELMAN MEMORIAL HOSPITAL.....                | 204 |
| SPELMAN ST LUKES HOSPITAL.....                | 206 |
| SPRINGFIELD COMMUNITY HOSPITAL.....           | 208 |
| SPRINGFIELD GENERAL OSTEOPATHIC HOSPITAL..... | 210 |
| ST ANTHONYS MEDICAL CENTER.....               | 212 |
| ST FRANCIS HOSPITAL .....                     | 214 |
| ST FRANCIS HOSPITAL .....                     | 216 |
| ST FRANCIS MEDICAL CENTER .....               | 218 |
| ST JOHNS MERCY HOSPITAL .....                 | 220 |
| ST JOHNS MERCY MEDICAL CENTER .....           | 222 |
| ST JOHNS REGIONAL HEALTH CENTER.....          | 224 |
| ST JOHNS REGIONAL MEDICAL CENTER.....         | 226 |
| ST JOSEPH HEALTH CENTER .....                 | 228 |
| ST JOSEPH HEALTH CENTER .....                 | 230 |
| ST JOSEPH HOSPITAL WEST .....                 | 232 |
| ST JOSEPHS HOSPITAL .....                     | 234 |
| ST LOUIS REGIONAL MEDICAL CENTER .....        | 236 |
| ST LOUIS UNIVERSITY HOSPITAL.....             | 238 |
| ST LUKES EPISCOPAL PRESBYTERIAN HOSPITAL..... | 240 |
| ST LUKES HOSPITAL OF KANSAS CITY .....        | 242 |
| ST MARYS HEALTH CENTER.....                   | 244 |
| ST MARYS HEALTH CENTER.....                   | 246 |
| ST MARYS HOSPITAL OF BLUE SPRINGS .....       | 248 |
| ST PETERS COMMUNITY HOSPITAL .....            | 250 |
| ST VINCENTS HOSPITAL .....                    | 252 |
| STE GENEVIEVE COUNTY MEMORIAL HOSPITAL .....  | 254 |
| SULLIVAN COUNTY MEMORIAL HOSPITAL .....       | 256 |
| SWEET SPRINGS COMMUNITY HOSPITAL.....         | 258 |
| TEXAS COUNTY MEMORIAL HOSPITAL .....          | 260 |
| TRINITY LUTHERAN HOSPITAL.....                | 262 |
| TRUMAN MEDICAL CENTER .....                   | 264 |
| TRUMAN MEDICAL CENTER EAST .....              | 266 |

|                                               |     |
|-----------------------------------------------|-----|
| TWIN RIVERS REGIONAL MEDICAL CENTER .....     | 268 |
| UNIVERSITY OF MISSOURI HOSPITAL & CLINIC..... | 270 |
| US ARMY HOSPITAL.....                         | 272 |
| VA HOSPITAL .....                             | 274 |
| WASHINGTON COUNTY MEMORIAL HOSPITAL.....      | 276 |
| WESTERN MISSOURI MEDICAL CENTER .....         | 278 |
| WRIGHT MEMORIAL HOSPITAL.....                 | 280 |
| State and National Hospital Information ..... | 282 |
| Hospital Comments                             |     |



# INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for **most** hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

*Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.*

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

## DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

## *Number Of Cases*

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category "All Causes." The eight medical condition and nine surgical procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

## *Observed Mortality Rate (OBS)*

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does **not** represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.



### *Predicted Mortality Rate (PRED)*

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

### *Standard Deviation (SD)*

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes (“---”) are placed in the SD column.

## **OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

## **FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

## **INFORMATION SOURCES AND NOTES**

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

### *Hospitals In The Analysis*

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

### *Data Sources*

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

### *Possible Limitations Of The Data*

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be



missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

#### TYPE AND SOURCE OF ADMISSION FLIPPED

| <u>FI No.</u> | <u>FI Name</u>         | <u>Dates</u>        |
|---------------|------------------------|---------------------|
| 00030         | Arizona Blue Cross     | 10/01/86 — 12/31/88 |
| 00080         | Maryland Blue Cross/DC | 06/01/87 — 09/30/87 |
| 00190         | Maryland Blue Cross    | 06/22/87 — 12/31/88 |
| 00400         | Texas Blue Cross       | 12/07/87 — 12/31/88 |

## HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. **First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.**

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

### *Use By Consumers — Some Key Questions*

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be “sicker” than average?

### *Other Users Of This Publication*

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

### *Outside Assistance In Developing This Publication*

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.



We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was “expired” when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.

*We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.*

## ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

## MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: 
$$\frac{24,379}{2,513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

## HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

### *AHA Definitions (except for CMI)*

**Survey and Year** — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

### **Profile**

**Total beds (#)** — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

**Occupancy rate (percent)** — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

**Ownership/control** — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

**Medicare discharges** — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)



**Case mix index (CMI)** — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

## **Staffing (all AHA counts are as of 9/30/90)**

**Total number of physicians** — Total active and associate medical staff.

**Percent of physicians who are board-certified specialists** — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

**Medical residents/interns** — Full-time equivalent (FTE) medical residents or interns.

**Registered nurses** — Full-time equivalent (FTE) registered nurses.

**Licensed practical nurses** — Full-time equivalent (FTE) licensed practical nurses.

## **Specialty Services**

**Burn Unit** — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

**Cardiac Intensive Care** — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,

open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

***Comprehensive Geriatric*** — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

***Hospice Care*** — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

***Medical/Surgical Intensive Care*** — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

***Organ/Tissue Transplant*** — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

***Other Intensive Care*** — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

***Trauma Center*** — Provides emergency and specialized intensive care to critically injured patients.

## **Other Specialty/Hospital-Based Services**

***Alcohol/Drug*** — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

***Rehabilitation*** — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

***Psychiatric*** — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

***Medicare Swing Beds*** — The hospital is certified by Medicare to provide “swing bed” services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

## ***OSCAR Definitions (except for CMI)***

**Survey and Year** — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

## **Profile**

***Total beds (#)*** — Total number of operational beds eligible for Medicare payment.

***Ownership/control*** — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

***Case mix index (CMI)*** — See definition shown in AHA “Profile” section.

## **Staffing**

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

## Specialty Services

**NOTE:** There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories “comprehensive geriatric” and “other intensive care” are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

**Coronary Care** — See definition shown in AHA “Specialty Services” section.

**Intensive Care Unit** — See definition shown in AHA “Specialty Services” section. These units may also include other intensive care units in OSCAR reporting.

**Organ Transplant** — See definition shown in AHA “Organ/Tissue Transplant” section. May include tissue transplants because there is not a separate field in OSCAR for these services.



# TECHNICAL INFORMATION

## DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

## THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to

complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

## ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function,  $S(t)$ , is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function,  $h(t)$ , also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function,  $f(t)$ , commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for  $t$ . In some cases, the area under the survival curve is restricted to an interval  $0-t_1$  where  $t_1$  might be one year, for example.



The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters  $\alpha$ ,  $\gamma$ , and  $\delta$  in terms of the  $k$  concomitant variables  $x_i$  and their associated component parameters  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  for  $i=1, 2, \dots, k$  and three intercepts or component parameters  $\alpha_0$ ,  $\gamma_0$ , and  $\delta_0$ . The structural parameter  $\delta$  is the long-term risk which is approached as  $t \rightarrow \infty$ . The structural parameter  $\alpha$  is the initial excess risk which decays with rate constant  $\gamma$ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk,  $\delta$ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ( $p < 0.05$ ) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  have been estimated, the predicted probability of patient death at any specified time after admission,  $1-S(t)$ , may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

## ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed,  $P$ , and predicted,  $\hat{\Theta}$ , mortality rates.

The residual has four components  $V_1$ ,  $V_2$ ,  $V_3$ , and  $V_4$  where  $V_1$  is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

$V_2$  is the binomial variance for  $n$  patients

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}.$$

$V_3$  is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) \widehat{M_2}(\hat{\Theta})$$

where

$$\widehat{M_2(\Theta)} = \left\| \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\|^2 \left( \frac{1}{z_p^2} \right)$$

The quantity  $z_p$  corresponds to the statistical significance (p-value) of the hospital-specific effect.

$V_4$  is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\| (\text{Observed mortality}) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\|^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

## STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital



with 300 cases in the "All Causes" category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 12.2/10.0 = 1.22.$$

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the "All Causes" category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 19.3/10.0 = 1.93.$$

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

## MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the statistical meaningfulness of the difference between the observed and the predicted mortality rates.



To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because  $22.9 \text{ percent} = 13.0 \text{ percent} + 1.98 \times 5.0 \text{ percent}$ , the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly,  $3.3 \text{ percent} = 13.0 \text{ percent} - 1.94 \times 5.0 \text{ percent}$ , the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.

## HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402  
Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. **Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.**

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration  
Bureau of Data Management and Strategy  
Office of Statistics and Data Management  
3-A-10 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207  
Telephone: (410) 597-5151

# Table 1

## DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

### CONDITION/PROCEDURE

### ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Heart Disorders/Procedures

Acute Myocardial Infarction  
(AMI)

All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

*Note:* For code 410 a 5th digit was added on October 1, 1989.

Congestive Heart Failure  
(CHF)

398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)

Angioplasty  
(ANGPLSTY)

All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

*Note:* Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.

Coronary Artery Bypass Graft  
(CABG)

All of 36.1(P) and not Angioplasty (see above)

Pacemaker Insertion, Initial  
(PACE)

37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

*Note:* Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.

## CONDITION/PROCEDURE

## ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Pulmonary Disorders

Pneumonia/Influenza  
(PNU)

All of 480, all of 481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)

Chronic Obstructive Pulmonary  
(COPD)

All of 491, all of 492, all of 494, Disease all of 496; and 466.0, 518.82, 518.5, and 786.09 when there is a secondary diagnosis of any 496 (all D)

*Note: Code 518.8 got a 5th digit on October 1, 1987. Some cases from 799.1 were put into codes 518.81 and 518.82.*

### Cerebrovascular Disorders/Procedures

Transient Cerebral Ischemia  
(TCI)

433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy at the time of admission—38.12(P)

Stroke  
(STK)

431, 434 through 434.9, 436 (all D)

Carotid Endarterectomy  
(ENDART)

38.12 (P) with 433.1 (D); 433.3 (D) or 435(D) as a principal diagnosis

### Musculoskeletal Disorders/Procedures

Fracture of Neck of Femur  
(FXHIP)

All of 820 (D)

Hip Replacement/Revision  
(HIPREP)

81.5, 81.6 (exclude 81.69) (all P). On 10/1/89 code 81.51 (P) through 81.53 (P) with same diagnoses.

Open Reduction of Fractured Femur  
(OPRDUX)

79.35(P) on condition of 820 (D) as principal diagnosis



**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Genitourinary Disorders/Procedures**

Prostatectomy  
(PROS) 60.2, 60.3 through 60.69 (all P)

Hysterectomy  
(HYS) 68.3 through 68.7 (P)

**Gastrointestinal Disorders/Procedures**

Cholecystectomy  
(CHOLOTMY) 51.22 (P)

**Sepsis**

Sepsis 003.1, 020.2, 022.3, 036.2, 036.3,  
036.89, 036.9, 038.0, 038.1, 038.2,  
038.3, 038.40, 038.41, 038.42, 038.43,  
038.44, 038.49, 038.8, 038.9, 054.5

**Table 2**  
**COMORBIDITY CONDITIONS**  
(all are D codes)

| COMORBIDITY                    | ICD-9-CM CODES                                                                                   |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                                 |
| Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                             |
| Chronic liver disease          | 571-572.8                                                                                        |
| Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11,<br>403.91, 404.02, 404.03, 404.12, 404.13,<br>404.92, 404.93 |
| Chronic diabetes               | 250.01, 250.1-250.91                                                                             |
| Chronic pulmonary disease      | 491-493.91, 496                                                                                  |
| Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                             |

# Table 3

## EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

### Demographics

SXFM                      An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise

AGEML = AGESP if SXFM = 0, 0 otherwise

where

$$\text{AGESP} = \text{sign}(W-65) \left( \left| \frac{W-65}{65} \right| \right)^{1.44}$$

and

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

### Comorbidities

### ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

|     |                                |                                                                                            |
|-----|--------------------------------|--------------------------------------------------------------------------------------------|
| CCA | Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| CCV | Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| CLV | Chronic liver disease          | 571-572.8                                                                                  |
| CRN | Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| CDI | Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| COP | Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| CCE | Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |

### Co Occurrence of Comorbidities

|         |                                       |
|---------|---------------------------------------|
| COP_CCV | 1 if COP = 1 and CCV = 1, 0 otherwise |
| CCA_CCV | 1 if CCA = 1 and CCV = 1, 0 otherwise |
| COP_CCA | 1 if COP = 1 and CCA = 1, 0 otherwise |
| CCE_CCV | 1 if CCE = 1 and CCV = 1, 0 otherwise |
| CRN_CCV | 1 if CRN = 1 and CCV = 1, 0 otherwise |

### Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

|       |                                                   |
|-------|---------------------------------------------------|
| PREF  | Patient referred by personal or HMO physician     |
| TRSNF | Patient transferred from skilled nursing facility |
| ELCT  | Patient admitted for elective procedure           |
| EMRG  | Patient admitted for emergency                    |

### Co-Occurrence of Admission Source and Type

PREF\_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

### Previous Hospitalizations

|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| P_RISK1 | Number at 1st risk level with 3 or more set to 3                                                            |
| P_RISK2 | Number at 2nd risk level with 3 or more set to 3                                                            |
| P_RISK3 | Number at 3rd risk level with 3 or more set to 3                                                            |
| P_RISK4 | Number at 4th risk level with 4 or more set to 4                                                            |
| P_RISK5 | Number at 5th risk level with 3 or more set to 3                                                            |
| F(T)    | Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise |

### Time Trend

|        |                                                                                   |
|--------|-----------------------------------------------------------------------------------|
| FLAG89 | 1 if discharge in FY1989, 0 otherwise                                             |
| FLAG90 | 1 if discharge in FY1990, 0 otherwise                                             |
| INYEAR | Difference between current admission date and April 1 of fiscal year of discharge |



TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1990

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |       |       |       |       | 90 DAYS |       |       |       |       | 180 DAYS |       |       |       |       |
|--------------------------|---------------------------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
|                          |                           | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%     | 25%   | 50%   | 75%   | 97.5% |
|                          |                           | -----   | ----- | ----- | ----- | ----- | -----   | ----- | ----- | ----- | ----- | -----    | ----- | ----- | ----- | ----- |
| OVERALL( < 750 CASES )   | 2645                      | 0.45    | 0.88  | 1.04  | 1.23  | 1.72  | 0.56    | 0.90  | 1.03  | 1.17  | 1.54  | 0.61     | 0.90  | 1.02  | 1.15  | 1.46  |
| OVERALL( >= 750 CASES)   | 2684                      | 0.73    | 0.91  | 0.99  | 1.09  | 1.35  | 0.79    | 0.94  | 1.01  | 1.09  | 1.28  | 0.82     | 0.94  | 1.01  | 1.08  | 1.24  |
| CONDITIONS               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| AMI                      | 1405                      | 0.54    | 0.80  | 0.95  | 1.11  | 1.42  | 0.62    | 0.86  | 0.99  | 1.14  | 1.44  | 0.63     | 0.86  | 0.99  | 1.13  | 1.39  |
| CHF                      | 2335                      | 0.43    | 0.79  | 0.98  | 1.17  | 1.64  | 0.60    | 0.85  | 0.99  | 1.13  | 1.49  | 0.66     | 0.89  | 1.00  | 1.13  | 1.41  |
| PNEUMONIA/INFLUENZA      | 2428                      | 0.41    | 0.78  | 0.97  | 1.18  | 1.68  | 0.53    | 0.84  | 1.00  | 1.17  | 1.55  | 0.57     | 0.86  | 1.01  | 1.16  | 1.50  |
| COPD                     | 435                       | 0.00    | 0.63  | 0.97  | 1.34  | 2.06  | 0.30    | 0.78  | 1.02  | 1.26  | 1.74  | 0.40     | 0.82  | 1.01  | 1.24  | 1.69  |
| TRANS. CEREBRAL ISCHEMIA | 404                       | 0.00    | 0.00  | 0.83  | 1.34  | 3.20  | 0.00    | 0.48  | 0.85  | 1.31  | 2.27  | 0.21     | 0.60  | 0.90  | 1.21  | 2.05  |
| STROKE                   | 1789                      | 0.53    | 0.79  | 0.95  | 1.13  | 1.56  | 0.61    | 0.84  | 0.98  | 1.13  | 1.47  | 0.65     | 0.87  | 0.99  | 1.12  | 1.42  |
| HIP FRACTURE             | 1199                      | 0.21    | 0.67  | 0.93  | 1.27  | 2.10  | 0.40    | 0.76  | 0.94  | 1.19  | 1.80  | 0.47     | 0.78  | 0.97  | 1.16  | 1.64  |
| SEPSIS                   | 254                       | 0.51    | 0.79  | 0.96  | 1.12  | 1.50  | 0.65    | 0.86  | 0.99  | 1.13  | 1.47  | 0.69     | 0.89  | 1.01  | 1.15  | 1.44  |
| PROCEDURES               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| ANGIOPLASTY              | 425                       | 0.00    | 0.49  | 0.89  | 1.33  | 2.66  | 0.00    | 0.60  | 0.93  | 1.36  | 2.34  | 0.00     | 0.63  | 0.97  | 1.34  | 2.14  |
| CABG                     | 556                       | 0.20    | 0.68  | 1.03  | 1.39  | 2.45  | 0.28    | 0.73  | 1.00  | 1.32  | 2.09  | 0.28     | 0.73  | 1.01  | 1.30  | 2.10  |
| PACEMAKER                | 112                       | 0.00    | 0.41  | 0.72  | 1.37  | 3.25  | 0.20    | 0.61  | 0.90  | 1.21  | 2.17  | 0.21     | 0.65  | 0.84  | 1.16  | 1.87  |
| CAROTID ENDARTERECTOMY   | 73                        | 0.00    | 0.00  | 0.85  | 1.33  | 2.90  | 0.00    | 0.14  | 0.74  | 1.28  | 2.43  | 0.00     | 0.42  | 0.86  | 1.38  | 2.86  |
| HIP REPLACEMENT          | 763                       | 0.00    | 0.53  | 0.94  | 1.44  | 2.77  | 0.19    | 0.67  | 0.96  | 1.31  | 2.12  | 0.26     | 0.71  | 0.94  | 1.26  | 1.91  |
| REDUCT. OF HIP FRACTURE  | 276                       | 0.00    | 0.56  | 0.86  | 1.22  | 2.05  | 0.31    | 0.68  | 0.92  | 1.19  | 1.76  | 0.38     | 0.77  | 0.96  | 1.12  | 1.58  |
| PROSTATECTOMY            | 1576                      | 0.00    | 0.00  | 0.73  | 1.57  | 3.56  | 0.00    | 0.49  | 0.91  | 1.40  | 2.63  | 0.00     | 0.57  | 0.92  | 1.29  | 2.21  |
| CHOLECYSTECTOMY          | 714                       | 0.00    | 0.49  | 0.95  | 1.54  | 2.68  | 0.00    | 0.62  | 0.93  | 1.37  | 2.22  | 0.22     | 0.67  | 0.98  | 1.27  | 1.93  |
| HYSTERECTOMY             | 113                       | 0.00    | 0.00  | 0.00  | 2.00  | 6.69  | 0.00    | 0.00  | 0.76  | 1.70  | 3.59  | 0.00     | 0.24  | 0.75  | 1.27  | 2.91  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1989

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2746                      | 0.50    | 0.87 | 1.04 | 1.23 | 1.73  | 0.58    | 0.89 | 1.03 | 1.17 | 1.54  | 0.61     | 0.89 | 1.01 | 1.14 | 1.44  |
| OVERALL( >= 750 CASES)   | 2669                      | 0.71    | 0.90 | 1.00 | 1.09 | 1.35  | 0.79    | 0.94 | 1.01 | 1.08 | 1.28  | 0.82     | 0.95 | 1.01 | 1.07 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1412                      | 0.53    | 0.81 | 0.96 | 1.12 | 1.47  | 0.59    | 0.86 | 1.01 | 1.15 | 1.47  | 0.63     | 0.87 | 1.00 | 1.14 | 1.43  |
| CHF                      | 2293                      | 0.47    | 0.80 | 0.97 | 1.18 | 1.69  | 0.58    | 0.86 | 1.00 | 1.14 | 1.48  | 0.66     | 0.89 | 1.02 | 1.14 | 1.40  |
| PNEUMONIA/INFLUENZA      | 2179                      | 0.45    | 0.77 | 0.97 | 1.19 | 1.67  | 0.54    | 0.85 | 1.01 | 1.18 | 1.55  | 0.60     | 0.86 | 1.02 | 1.18 | 1.51  |
| COPD                     | 324                       | 0.21    | 0.68 | 0.99 | 1.32 | 2.13  | 0.44    | 0.78 | 1.04 | 1.27 | 1.91  | 0.49     | 0.84 | 1.04 | 1.24 | 1.66  |
| TRANS. CEREBRAL ISCHEMIA | 420                       | 0.00    | 0.00 | 0.79 | 1.41 | 3.26  | 0.00    | 0.46 | 0.88 | 1.33 | 2.36  | 0.18     | 0.60 | 0.92 | 1.25 | 1.97  |
| STROKE                   | 1728                      | 0.53    | 0.80 | 0.95 | 1.12 | 1.56  | 0.62    | 0.85 | 0.97 | 1.11 | 1.46  | 0.67     | 0.88 | 0.99 | 1.13 | 1.40  |
| HIP FRACTURE             | 1126                      | 0.24    | 0.67 | 0.95 | 1.30 | 2.04  | 0.39    | 0.75 | 0.98 | 1.21 | 1.71  | 0.46     | 0.78 | 0.97 | 1.18 | 1.59  |
| SEPSIS                   | 174                       | 0.52    | 0.79 | 0.94 | 1.10 | 1.52  | 0.63    | 0.88 | 1.02 | 1.15 | 1.46  | 0.68     | 0.93 | 1.05 | 1.16 | 1.43  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 370                       | 0.00    | 0.46 | 0.84 | 1.35 | 2.55  | 0.00    | 0.55 | 0.88 | 1.33 | 2.52  | 0.00     | 0.61 | 0.94 | 1.32 | 2.44  |
| CABG                     | 501                       | 0.21    | 0.65 | 1.00 | 1.47 | 2.57  | 0.23    | 0.69 | 1.00 | 1.33 | 2.29  | 0.32     | 0.74 | 1.01 | 1.33 | 2.21  |
| PACEMAKER                | 91                        | 0.00    | 0.52 | 0.74 | 1.12 | 2.31  | 0.00    | 0.56 | 0.83 | 1.15 | 2.14  | 0.20     | 0.68 | 0.81 | 1.16 | 1.87  |
| CAROTID ENDARTERECTOMY   | 55                        | 0.00    | 0.00 | 0.82 | 1.51 | 5.01  | 0.00    | 0.47 | 0.86 | 1.31 | 4.00  | 0.00     | 0.43 | 0.85 | 1.28 | 3.12  |
| HIP REPLACEMENT          | 686                       | 0.00    | 0.52 | 0.92 | 1.44 | 2.46  | 0.00    | 0.65 | 0.94 | 1.27 | 1.95  | 0.21     | 0.67 | 0.94 | 1.19 | 1.75  |
| REDUCT. OF HIP FRACTURE  | 246                       | 0.19    | 0.57 | 0.91 | 1.23 | 1.96  | 0.31    | 0.71 | 0.96 | 1.19 | 1.74  | 0.41     | 0.78 | 0.96 | 1.13 | 1.53  |
| PROSTATECTOMY            | 1570                      | 0.00    | 0.00 | 0.67 | 1.50 | 3.46  | 0.00    | 0.47 | 0.86 | 1.36 | 2.67  | 0.00     | 0.58 | 0.93 | 1.28 | 2.15  |
| CHOLECYSTECTOMY          | 680                       | 0.00    | 0.53 | 0.94 | 1.53 | 2.90  | 0.00    | 0.62 | 0.97 | 1.36 | 2.15  | 0.22     | 0.66 | 0.95 | 1.26 | 1.98  |
| HYSTERECTOMY             | 101                       | 0.00    | 0.00 | 0.00 | 1.80 | 5.44  | 0.00    | 0.00 | 0.78 | 1.60 | 4.21  | 0.00     | 0.00 | 0.91 | 1.38 | 2.99  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1988

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2838                      | 0.46    | 0.89 | 1.05 | 1.23 | 1.75  | 0.54    | 0.90 | 1.03 | 1.16 | 1.57  | 0.59     | 0.90 | 1.02 | 1.14 | 1.45  |
| OVERALL( >= 750 CASES)   | 2693                      | 0.73    | 0.90 | 1.00 | 1.10 | 1.35  | 0.79    | 0.94 | 1.01 | 1.09 | 1.27  | 0.82     | 0.95 | 1.01 | 1.08 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1414                      | 0.56    | 0.82 | 0.96 | 1.12 | 1.41  | 0.63    | 0.87 | 1.01 | 1.14 | 1.42  | 0.65     | 0.89 | 1.00 | 1.13 | 1.39  |
| CHF                      | 2246                      | 0.45    | 0.79 | 0.97 | 1.18 | 1.61  | 0.60    | 0.86 | 1.00 | 1.14 | 1.43  | 0.68     | 0.90 | 1.02 | 1.13 | 1.37  |
| PNEUMONIA/INFLUENZA      | 2069                      | 0.44    | 0.79 | 0.97 | 1.17 | 1.68  | 0.57    | 0.85 | 1.01 | 1.17 | 1.59  | 0.61     | 0.87 | 1.01 | 1.16 | 1.53  |
| COPD                     | 310                       | 0.21    | 0.67 | 0.92 | 1.30 | 2.17  | 0.39    | 0.79 | 0.98 | 1.20 | 1.81  | 0.51     | 0.82 | 0.99 | 1.19 | 1.59  |
| TRANS. CEREBRAL ISCHEMIA | 495                       | 0.00    | 0.00 | 0.84 | 1.48 | 2.94  | 0.00    | 0.48 | 0.92 | 1.39 | 2.28  | 0.21     | 0.60 | 0.92 | 1.27 | 1.92  |
| STROKE                   | 1726                      | 0.51    | 0.79 | 0.95 | 1.12 | 1.56  | 0.60    | 0.84 | 0.98 | 1.13 | 1.44  | 0.64     | 0.88 | 1.00 | 1.13 | 1.42  |
| HIP FRACTURE             | 1119                      | 0.24    | 0.65 | 0.96 | 1.27 | 2.07  | 0.40    | 0.78 | 0.98 | 1.21 | 1.77  | 0.47     | 0.80 | 0.98 | 1.17 | 1.64  |
| SEPSIS                   | 133                       | 0.58    | 0.77 | 0.92 | 1.08 | 1.64  | 0.56    | 0.86 | 1.00 | 1.13 | 1.54  | 0.67     | 0.88 | 1.02 | 1.14 | 1.53  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 297                       | 0.00    | 0.50 | 0.87 | 1.35 | 2.60  | 0.00    | 0.59 | 0.91 | 1.34 | 2.50  | 0.00     | 0.65 | 0.95 | 1.31 | 2.25  |
| CABG                     | 478                       | 0.21    | 0.68 | 0.98 | 1.39 | 2.40  | 0.32    | 0.73 | 1.00 | 1.36 | 2.12  | 0.38     | 0.75 | 1.01 | 1.31 | 2.04  |
| PACEMAKER                | 83                        | 0.00    | 0.34 | 0.65 | 1.04 | 1.75  | 0.01    | 0.54 | 0.85 | 1.03 | 1.70  | 0.23     | 0.69 | 0.87 | 1.10 | 1.57  |
| CAROTID ENDARTERECTOMY   | 69                        | 0.00    | 0.00 | 0.60 | 1.23 | 3.30  | 0.00    | 0.33 | 0.62 | 1.09 | 2.50  | 0.00     | 0.44 | 0.68 | 1.16 | 1.87  |
| HIP REPLACEMENT          | 670                       | 0.00    | 0.49 | 0.95 | 1.40 | 2.65  | 0.00    | 0.66 | 1.01 | 1.31 | 2.15  | 0.24     | 0.70 | 0.96 | 1.24 | 1.87  |
| REDUCT. OF HIP FRACTURE  | 259                       | 0.00    | 0.61 | 0.91 | 1.26 | 2.16  | 0.38    | 0.74 | 0.96 | 1.21 | 1.94  | 0.44     | 0.77 | 0.96 | 1.16 | 1.79  |
| PROSTATECTOMY            | 1619                      | 0.00    | 0.00 | 0.78 | 1.53 | 3.69  | 0.00    | 0.54 | 0.92 | 1.39 | 2.57  | 0.00     | 0.61 | 0.93 | 1.30 | 2.21  |
| CHOLECYSTECTOMY          | 642                       | 0.00    | 0.50 | 0.96 | 1.44 | 3.04  | 0.00    | 0.61 | 0.96 | 1.36 | 2.26  | 0.25     | 0.66 | 0.96 | 1.27 | 2.01  |
| HYSTERECTOMY             | 90                        | 0.00    | 0.00 | 0.00 | 1.57 | 5.00  | 0.00    | 0.00 | 0.68 | 1.43 | 2.83  | 0.00     | 0.28 | 0.67 | 1.15 | 2.88  |

TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate)

| p | n    | 99% Prediction Interval |      |      |      |      | 95% Prediction Interval |      |      |      |      | 75% Prediction Interval |      |      |      |      |
|---|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|
|   |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      |
|   |      | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  |
|   | 25   | 2.95                    | 2.73 | 2.68 | 2.63 | 2.59 | 2.15                    | 2.04 | 2.01 | 1.99 | 1.97 | 1.17                    | 1.16 | 1.16 | 1.15 | 1.15 |
|   | 50   | 2.76                    | 2.65 | 2.63 | 2.60 | 2.58 | 2.05                    | 2.00 | 1.99 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 75   | 2.70                    | 2.63 | 2.61 | 2.59 | 2.58 | 2.02                    | 1.99 | 1.98 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 100  | 2.67                    | 2.61 | 2.60 | 2.59 | 2.58 | 2.01                    | 1.98 | 1.97 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 150  | 2.64                    | 2.60 | 2.59 | 2.59 | 2.58 | 1.99                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 200  | 2.62                    | 2.60 | 2.59 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 300  | 2.61                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 400  | 2.60                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 500  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 750  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 1000 | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 2000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 5000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |

| p | n    | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|---|------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|
|   |      | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|   |      | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   |
|   | 25   | -2.21                  | -2.42 | -2.48 | -2.52 | -2.56 | -1.77                  | -1.88 | -1.91 | -1.93 | -1.95 | -1.13                  | -1.14 | -1.14 | -1.15 | -1.15 |
|   | 50   | -2.39                  | -2.50 | -2.53 | -2.55 | -2.57 | -1.87                  | -1.92 | -1.93 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 75   | -2.45                  | -2.52 | -2.54 | -2.56 | -2.57 | -1.90                  | -1.93 | -1.94 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 100  | -2.48                  | -2.54 | -2.55 | -2.56 | -2.57 | -1.91                  | -1.94 | -1.95 | -1.95 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 150  | -2.51                  | -2.55 | -2.56 | -2.57 | -2.57 | -1.93                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 200  | -2.53                  | -2.56 | -2.56 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 300  | -2.54                  | -2.56 | -2.57 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 400  | -2.55                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 500  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 750  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 1000 | -2.57                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 2000 | -2.57                  | -2.57 | -2.57 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 5000 | -2.57                  | -2.58 | -2.58 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |



**Medicare  
Hospital  
Information**

# ALBERT M KELLER MEMORIAL HOSPITAL

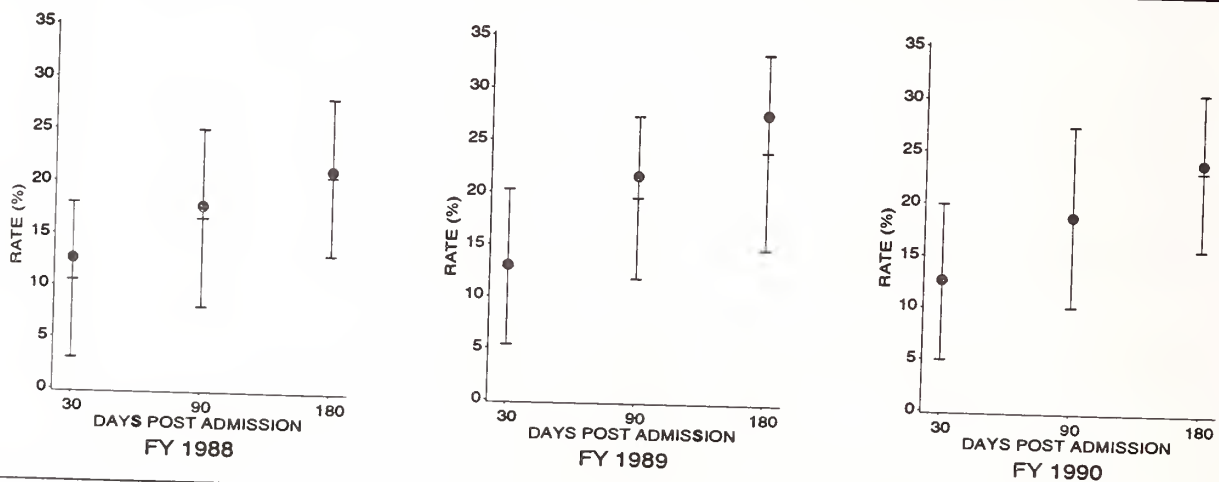
600 W MORRISON  
FAYETTE, MO 65248  
Medicare Provider Number: 260111

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 230                | 12.6                | 12.4 | 3.8  | 18.7    | 18.7 | 4.3  | 23.9     | 23.1 | 3.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6                  | 33.3                | 33.9 | ---- | 50.0    | 38.9 | ---- | 50.0     | 42.9 | ---- |
| Congestive Heart Failure.....              | 11                 | 0.0                 | 16.9 | ---- | 18.2    | 27.7 | ---- | 27.3     | 34.3 | ---- |
| Pneumonia/Influenza.....                   | 32                 | 18.8                | 17.7 | ---- | 25.0    | 24.8 | ---- | 28.1     | 29.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 4.3  | ---- | 0.0     | 8.2  | ---- | 0.0      | 11.3 | ---- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.2  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.8  | ---- |
| Stroke.....                                | 8                  | 37.5                | 22.7 | ---- | 37.5    | 29.4 | ---- | 37.5     | 33.6 | ---- |
| Hip Fracture.....                          | 1                  | 0.0                 | 16.5 | ---- | 0.0     | 26.7 | ---- | 0.0      | 32.5 | ---- |
| Sepsis.....                                | 3                  | 0.0                 | 22.0 | ---- | 0.0     | 27.0 | ---- | 0.0      | 31.9 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 3                  | 0.0                 | 1.8  | ---- | 0.0     | 3.4  | ---- | 0.0      | 5.1  | ---- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ALBERT M KELLER MEMORIAL HOSPITAL

Medicare Provider Number: 260111

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.1 years

Proportion female..... 64.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 32.0 %

Transferred from skilled nursing facility..... 0.4 %

Admitted for elective procedure..... 3.0 %

Admitted for emergency..... 0.9 %

### COMORBIDITIES:

Cancer..... 6.5 %

Chronic cardiovascular disease..... 36.4 %

Chronic liver disease..... 0.4 %

Chronic renal disease..... 0.9 %

Chronic pulmonary disease..... 12.6 %

Cerebrovascular degeneration..... 12.1 %

Diabetes mellitus..... 11.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.0%

State ..... 32.9%

Outside State ..... 1.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days

State ..... 8.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 57

Occupancy Rate ..... 71.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 58.3 %

Case Mix Index (CMI) ..... 1.0399

### STAFFING:

Total Number of Physicians..... 15

Percent of Physicians Board  
Certified Specialists..... 93.3 %

Medical Residents/Interns ..... 0

Registered Nurses..... 10

Licensed Practical Nurses ..... 9

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... Yes

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ALEXIAN BROTHERS HOSPITAL

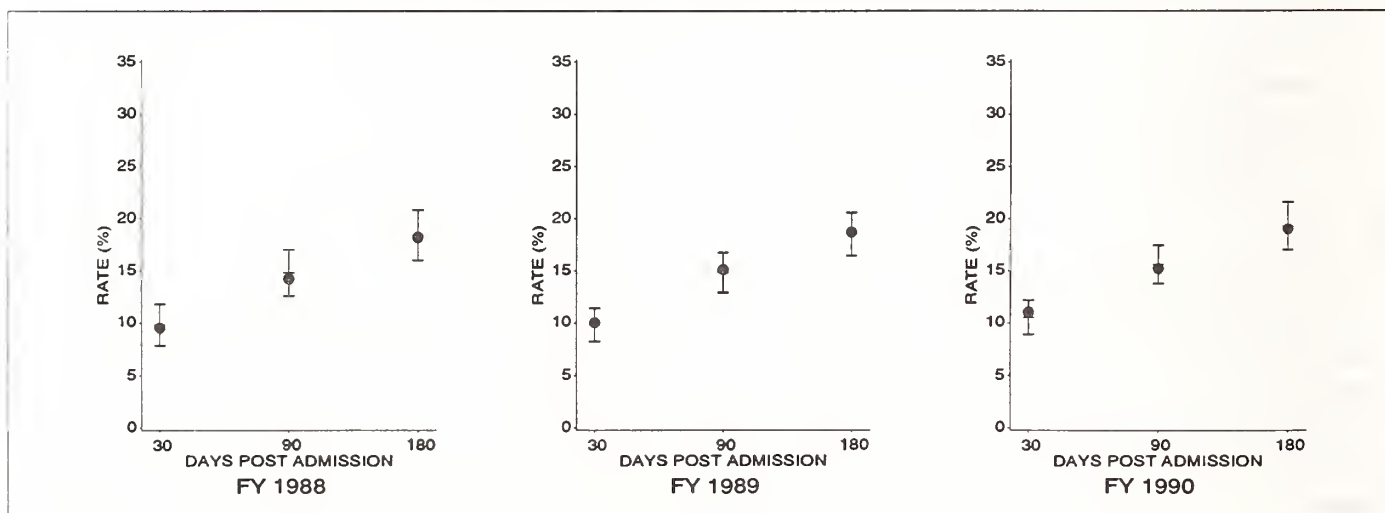
3933 S BROADWAY  
ST LOUIS, MO 63118  
Medicare Provider Number: 260103

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1596            | 11.0                | 10.5 | 0.8   | 15.2    | 15.6 | 0.9   | 19.0     | 19.3 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 46              | 28.3                | 23.1 | ----- | 30.4    | 26.2 | ----- | 32.6     | 28.9 | ----- |
| Congestive Heart Failure.....              | 116             | 17.2                | 14.7 | 4.0   | 21.6    | 23.1 | 4.1   | 29.3     | 29.1 | 4.4   |
| Pneumonia/Influenza.....                   | 120             | 16.7                | 16.1 | 3.5   | 21.7    | 21.8 | 3.8   | 26.7     | 25.8 | 4.2   |
| Chronic Obstructive Pulmonary Disease..... | 39              | 7.7                 | 7.2  | ----- | 10.3    | 12.8 | ----- | 10.3     | 17.3 | ----- |
| Transient Cerebral Ischemia.....           | 22              | 0.0                 | 1.2  | ----- | 4.5     | 2.8  | ----- | 9.1      | 4.6  | ----- |
| Stroke.....                                | 62              | 22.6                | 21.3 | 5.6   | 29.0    | 27.7 | 7.0   | 30.6     | 31.5 | 5.9   |
| Hip Fracture.....                          | 59              | 6.8                 | 7.1  | 3.6   | 8.5     | 12.6 | 5.1   | 8.5      | 16.3 | 6.6   |
| Sepsis.....                                | 43              | 16.3                | 21.7 | ----- | 25.6    | 29.9 | ----- | 27.9     | 34.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 12              | 8.3                 | 3.3  | ----- | 16.7    | 7.0  | ----- | 16.7     | 10.0 | ----- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 2.1  | ----- | 0.0     | 3.8  | ----- | 0.0      | 5.3  | ----- |
| Hip Replacement/Reconstruction.....        | 24              | 8.3                 | 4.9  | ----- | 8.3     | 9.0  | ----- | 8.3      | 11.8 | ----- |
| Open Reduction of Hip Fracture.....        | 36              | 5.6                 | 6.1  | ----- | 8.3     | 11.3 | ----- | 8.3      | 15.0 | ----- |
| Prostatectomy.....                         | 61              | 1.6                 | 1.2  | 1.4   | 3.3     | 2.7  | 2.2   | 6.6      | 4.6  | 3.3   |
| Cholecystectomy.....                       | 32              | 3.1                 | 3.3  | ----- | 9.4     | 6.3  | ----- | 9.4      | 8.6  | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ALEXIAN BROTHERS HOSPITAL

Medicare Provider Number: 260103

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 62.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.4 %  
Transferred from skilled nursing facility..... 1.0 %  
Admitted for elective procedure..... 25.6 %  
Admitted for emergency..... 59.9 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 40.5 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 18.0 %  
Cerebrovascular degeneration..... 7.3 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.0%  
State ..... 26.1%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 184  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 67.0 %  
Case Mix Index (CMI) ..... 1.3205

### STAFFING:

Total Number of Physicians..... 69  
Percent of Physicians Board  
Certified Specialists ..... 68.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 158  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ARCADIA VALLEY HOSPITAL

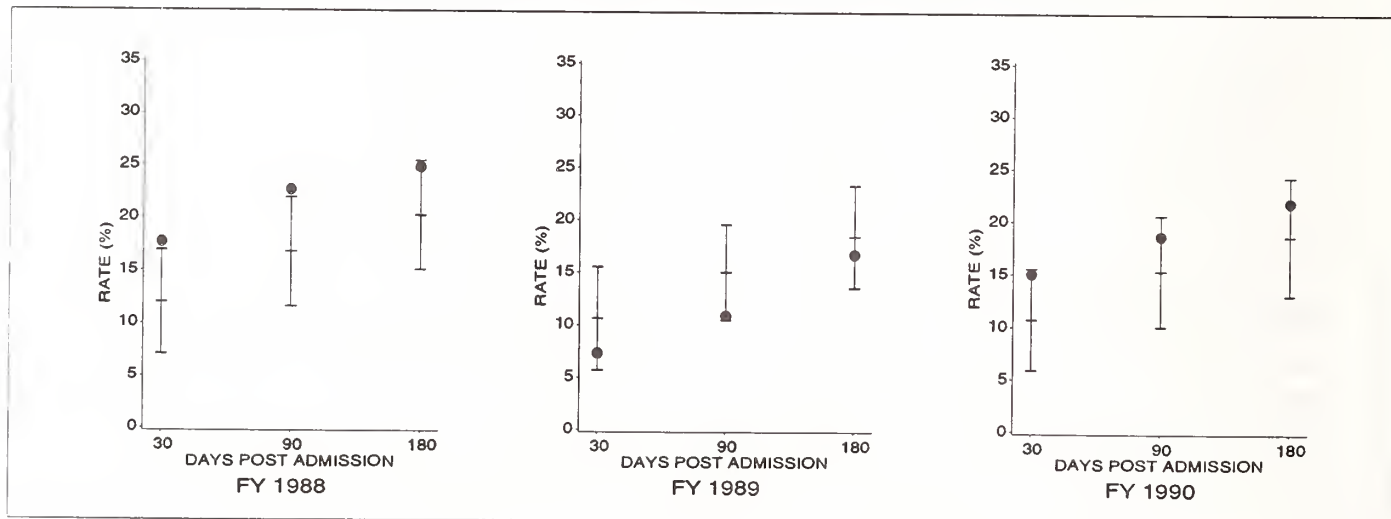
HIGHWAY 21, BOX 220  
PILOT KNOB, MO 63663  
Medicare Provider Number: 260019

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 354             | 15.0                | 10.7 | 2.4   | 18.6    | 15.3 | 2.6   | 21.8     | 18.6 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13              | 15.4                | 25.7 | ----- | 23.1    | 29.1 | ----- | 23.1     | 32.4 | ----- |
| Congestive Heart Failure.....              | 32              | 34.4                | 16.2 | ----- | 43.8    | 25.9 | ----- | 46.9     | 32.1 | ----- |
| Pneumonia/Influenza.....                   | 33              | 21.2                | 15.1 | ----- | 27.3    | 20.7 | ----- | 30.3     | 24.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 12              | 16.7                | 9.1  | ----- | 16.7    | 14.5 | ----- | 33.3     | 18.4 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 1.2  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.6  | ----- |
| Stroke.....                                | 26              | 26.9                | 21.2 | ----- | 26.9    | 26.5 | ----- | 26.9     | 29.9 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.7  | ----- | 0.0     | 5.0  | ----- | 0.0      | 7.0  | ----- |
| Sepsis.....                                | 6               | 16.7                | 33.6 | ----- | 16.7    | 38.3 | ----- | 16.7     | 42.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 2.1  | ----- | 0.0     | 4.2  | ----- | 0.0      | 6.1  | ----- |
| Prostatectomy.....                         | 10              | 0.0                 | 0.7  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.4  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 2.8  | ----- | 0.0     | 5.4  | ----- | 0.0      | 7.1  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ARCADIA VALLEY HOSPITAL

Medicare Provider Number: 260019

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years

Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.7 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 1.4 %

Admitted for emergency..... 34.7 %

### COMORBIDITIES:

Cancer..... 3.1 %

Chronic cardiovascular disease..... 39.8 %

Chronic liver disease..... 0.8 %

Chronic renal disease..... 1.7 %

Chronic pulmonary disease..... 21.8 %

Cerebrovascular degeneration..... 3.7 %

Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.1%

State..... 25.4%

Outside State..... 0.5%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.8 Days

State..... 8.4 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 50

Occupancy Rate..... 82.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 53.9 %

Case Mix Index (CMI)..... 0.9829

### STAFFING:

Total Number of Physicians..... 15

Percent of Physicians Board  
Certified Specialists..... 86.7 %

Medical Residents/Interns..... 0

Registered Nurses..... 15

Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... Yes

Hospice Care..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# AUDRAIN MEDICAL CENTER

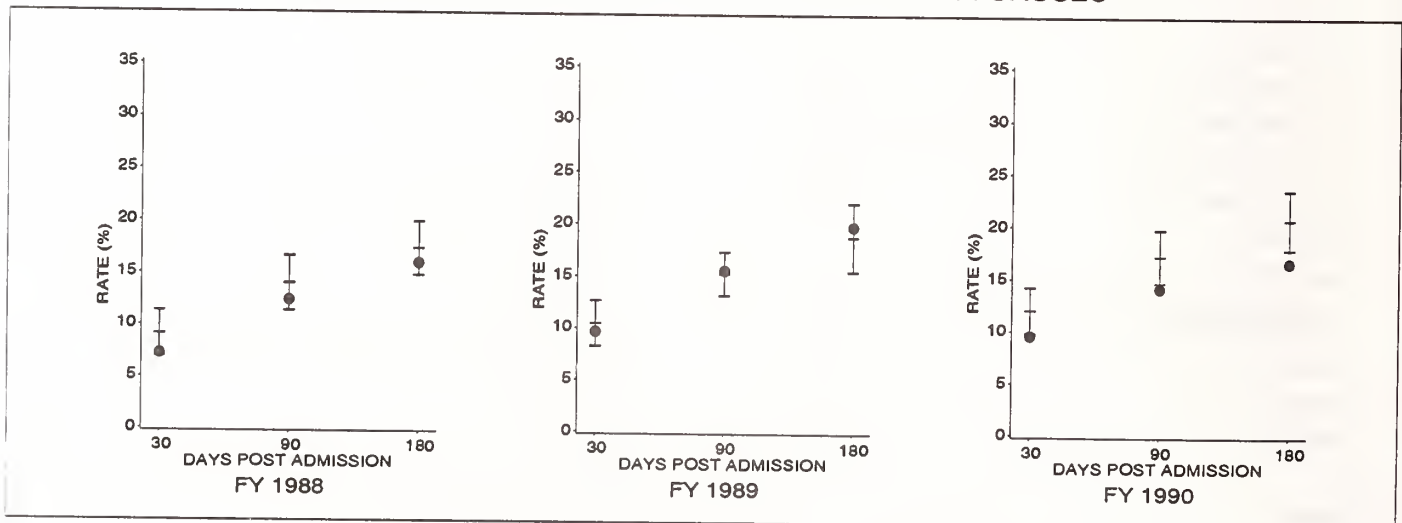
620 E MONROE  
MEXICO, MO 65265  
Medicare Provider Number: 260064

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1364            | 9.5                 | 12.0 | 1.1   | 14.1    | 17.2 | 1.3   | 16.6     | 20.7 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 35              | 37.1                | 27.3 | ----- | 45.7    | 30.8 | ----- | 51.4     | 33.7 | ----- |
| Congestive Heart Failure.....              | 72              | 11.1                | 15.8 | 5.9   | 22.2    | 24.7 | 7.1   | 26.4     | 31.1 | 8.9   |
| Pneumonia/Influenza.....                   | 49              | 10.2                | 14.3 | ----- | 16.3    | 19.4 | ----- | 16.3     | 22.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 24              | 4.2                 | 8.3  | ----- | 12.5    | 14.0 | ----- | 20.8     | 18.5 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.6  | ----- | 0.0     | 3.7  | ----- | 0.0      | 5.8  | ----- |
| Stroke.....                                | 56              | 12.5                | 20.2 | 7.6   | 14.3    | 26.9 | 8.8   | 17.9     | 30.7 | 9.6   |
| Hip Fracture.....                          | 54              | 5.6                 | 6.5  | 3.5   | 5.6     | 11.4 | 5.5   | 7.4      | 14.7 | 6.6   |
| Sepsis.....                                | 33              | 9.1                 | 25.7 | ----- | 18.2    | 32.5 | ----- | 21.2     | 36.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 19              | 0.0                 | 2.9  | ----- | 0.0     | 6.4  | ----- | 0.0      | 9.7  | ----- |
| Carotid Endarterectomy.....                | 15              | 0.0                 | 2.0  | ----- | 6.7     | 3.5  | ----- | 6.7      | 5.2  | ----- |
| Hip Replacement/Reconstruction.....        | 29              | 3.4                 | 3.4  | ----- | 3.4     | 6.3  | ----- | 3.4      | 8.5  | ----- |
| Open Reduction of Hip Fracture.....        | 36              | 5.6                 | 5.8  | ----- | 5.6     | 10.4 | ----- | 8.3      | 13.7 | ----- |
| Prostatectomy.....                         | 40              | 0.0                 | 1.2  | ----- | 0.0     | 2.6  | ----- | 2.5      | 4.4  | ----- |
| Cholecystectomy.....                       | 43              | 7.0                 | 2.0  | ----- | 7.0     | 3.4  | ----- | 9.3      | 4.4  | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# AUDRAIN MEDICAL CENTER

Medicare Provider Number: 260064

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
 Proportion female..... 58.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.1 %  
 Transferred from skilled nursing facility..... 0.1 %  
 Admitted for elective procedure..... 25.2 %  
 Admitted for emergency..... 73.0 %

### COMORBIDITIES:

Cancer..... 5.9 %  
 Chronic cardiovascular disease..... 42.7 %  
 Chronic liver disease..... 1.0 %  
 Chronic renal disease..... 1.6 %  
 Chronic pulmonary disease..... 23.0 %  
 Cerebrovascular degeneration..... 2.4 %  
 Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 58.3%  
 State ..... 40.8%  
 Outside State ..... 0.9%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
 State ..... 8.4 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 150  
 Occupancy Rate ..... 64.0 %  
 Ownership/Control..... Local Government  
 Medicare Discharges ..... 56.7 %  
 Case Mix Index (CMI) ..... 1.4900

### STAFFING:

Total Number of Physicians..... 36  
 Percent of Physicians Board  
 Certified Specialists ..... 61.1 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 101  
 Licensed Practical Nurses ..... 81

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... Yes  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care..... Yes  
 Organ/Tissue Transplant ..... Yes  
 Other Intensive Care ..... No  
 Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... No  
 Psychiatric..... Yes  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# AURORA COMMUNITY HOSPITAL

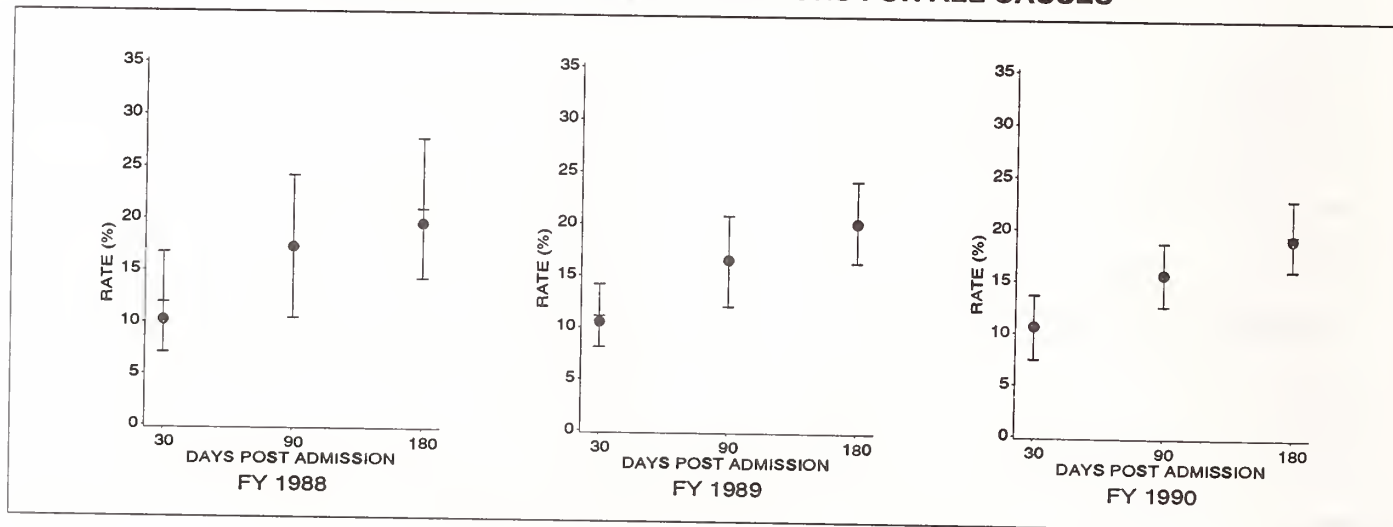
500 PORTER ST  
AURORA, MO 65605  
Medicare Provider Number: 260003

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 558             | 10.6                | 10.5 | 1.6  | 15.6    | 15.6 | 1.5  | 19.0     | 19.4 | 1.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 14              | 35.7                | 32.1 | ---- | 35.7    | 34.8 | ---- | 35.7     | 37.6 | ---- |
| Congestive Heart Failure.....              | 33              | 27.3                | 17.9 | ---- | 30.3    | 28.4 | ---- | 33.3     | 35.1 | ---- |
| Pneumonia/Influenza.....                   | 31              | 16.1                | 15.0 | ---- | 29.0    | 20.2 | ---- | 32.3     | 23.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 18              | 0.0                 | 7.8  | ---- | 5.6     | 14.4 | ---- | 11.1     | 19.5 | ---- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.8  | ---- | 0.0     | 4.2  | ---- | 16.7     | 6.8  | ---- |
| Stroke.....                                | 32              | 21.9                | 24.4 | ---- | 31.3    | 31.2 | ---- | 34.4     | 35.2 | ---- |
| Hip Fracture.....                          | 2               | 50.0                | 9.3  | ---- | 50.0    | 16.8 | ---- | 50.0     | 21.1 | ---- |
| Sepsis.....                                | 8               | 0.0                 | 18.1 | ---- | 0.0     | 26.1 | ---- | 12.5     | 30.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 8               | 0.0                 | 3.8  | ---- | 0.0     | 7.9  | ---- | 0.0      | 11.1 | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# AURORA COMMUNITY HOSPITAL

Medicare Provider Number: 260003

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.0 years |
| Proportion female.....        | 63.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 35.1 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 62.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.8 %  |
| Chronic cardiovascular disease..... | 30.8 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 3.8 %  |
| Chronic pulmonary disease.....      | 14.9 % |
| Cerebrovascular degeneration.....   | 4.5 %  |
| Diabetes mellitus.....              | 9.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 68.9%  |
| State .....         | 28.1%  |
| Outside State ..... | 3.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.3 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 49               |
| Occupancy Rate .....       | 41.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 71.6 %           |
| Case Mix Index (CMI) ..... | 1.0025           |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 41     |
| Percent of Physicians Board<br>Certified Specialists..... | 58.5 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 30     |
| Licensed Practical Nurses .....                           | 14     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEDICAL CENTER

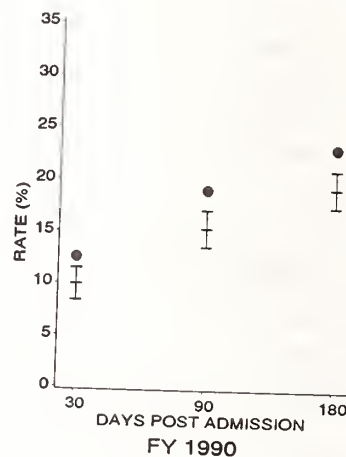
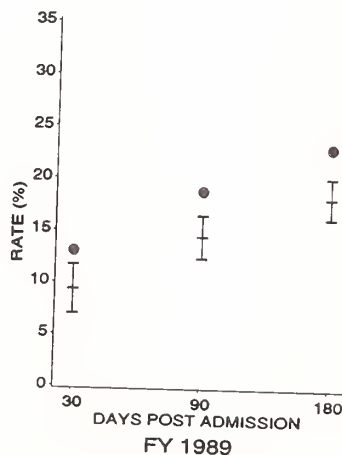
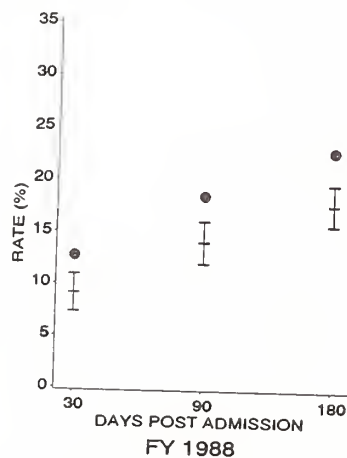
6601 ROCKHILL RD  
KANSAS CITY, MO 64131  
Medicare Provider Number: 260107

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2472               | 12.5                | 9.9  | 0.8  | 19.0    | 15.3 | 0.9  | 23.1     | 19.2 | 0.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 59                 | 18.6                | 26.7 | 11.9 | 27.1    | 29.7 | 12.6 | 27.1     | 32.4 | 10.2 |
| Congestive Heart Failure.....              | 129                | 19.4                | 16.3 | 3.7  | 29.5    | 25.4 | 5.4  | 38.0     | 31.8 | 6.1  |
| Pneumonia/Influenza.....                   | 106                | 17.9                | 15.7 | 4.3  | 20.8    | 21.7 | 4.1  | 25.5     | 25.9 | 4.4  |
| Chronic Obstructive Pulmonary Disease..... | 57                 | 12.3                | 8.9  | 5.0  | 17.5    | 15.3 | 5.8  | 26.3     | 19.8 | 7.3  |
| Transient Cerebral Ischemia.....           | 17                 | 0.0                 | 1.7  | ---- | 0.0     | 3.9  | ---- | 5.9      | 6.4  | ---- |
| Stroke.....                                | 85                 | 14.1                | 18.1 | 7.3  | 20.0    | 23.6 | 6.6  | 24.7     | 27.1 | 6.7  |
| Hip Fracture.....                          | 105                | 8.6                 | 7.2  | 2.8  | 13.3    | 12.7 | 3.3  | 18.1     | 16.4 | 4.0  |
| Sepsis.....                                | 39                 | 51.3                | 28.8 | ---- | 64.1    | 38.8 | ---- | 66.7     | 44.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 16                 | 0.0                 | 2.7  | ---- | 0.0     | 3.4  | ---- | 0.0      | 4.2  | ---- |
| Coronary Artery Bypass Graft.....          | 20                 | 0.0                 | 4.8  | ---- | 0.0     | 6.9  | ---- | 0.0      | 7.8  | ---- |
| Initial Pacemaker Insertion.....           | 11                 | 0.0                 | 4.4  | ---- | 18.2    | 8.6  | ---- | 18.2     | 12.0 | ---- |
| Carotid Endarterectomy.....                | 5                  | 0.0                 | 1.3  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.5  | ---- |
| Hip Replacement/Reconstruction.....        | 60                 | 8.3                 | 5.4  | 4.0  | 11.7    | 9.8  | 4.1  | 16.7     | 13.0 | 5.5  |
| Open Reduction of Hip Fracture.....        | 43                 | 4.7                 | 6.4  | ---- | 9.3     | 11.6 | ---- | 16.3     | 15.5 | ---- |
| Prostatectomy.....                         | 85                 | 0.0                 | 0.9  | 1.2  | 1.2     | 2.1  | 1.7  | 1.2      | 3.6  | 2.5  |
| Cholecystectomy.....                       | 37                 | 5.4                 | 1.3  | ---- | 5.4     | 2.3  | ---- | 5.4      | 2.9  | ---- |
| Hysterectomy.....                          | 18                 | 0.0                 | 2.6  | ---- | 5.6     | 6.2  | ---- | 5.6      | 9.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BAPTIST MEDICAL CENTER

Medicare Provider Number: 260107

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.4 years |
| Proportion female.....        | 61.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 39.3 % |
| Transferred from skilled nursing facility..... | 3.3 %  |
| Admitted for elective procedure.....           | 26.9 % |
| Admitted for emergency.....                    | 3.7 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.9 %  |
| Chronic cardiovascular disease..... | 32.3 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 3.1 %  |
| Chronic pulmonary disease.....      | 12.1 % |
| Cerebrovascular degeneration.....   | 7.6 %  |
| Diabetes mellitus.....              | 7.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 75.3%  |
| State.....         | 11.4%  |
| Outside State..... | 13.3%  |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 8.8 Days |
| State.....    | 8.4 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                           |                     |
|---------------------------|---------------------|
| Total Beds.....           | 315                 |
| Occupancy Rate.....       | 62.0 %              |
| Ownership/Control.....    | Private, Non-Profit |
| Medicare Discharges.....  | 48.6 %              |
| Case Mix Index (CMI)..... | 1.2734              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 260    |
| Percent of Physicians Board<br>Certified Specialists..... | 72.7 % |
| Medical Residents/Interns.....                            | 16     |
| Registered Nurses.....                                    | 209    |
| Licensed Practical Nurses.....                            | 8      |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit.....                       | No  |
| Cardiac Intensive Care.....          | No  |
| Comprehensive Geriatric.....         | Yes |
| Hospice Care.....                    | Yes |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant.....         | Yes |
| Other Intensive Care.....            | Yes |
| Trauma Center.....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |     |
|--------------------------|-----|
| Alcohol/Drug.....        | Yes |
| Rehabilitation.....      | Yes |
| Psychiatric.....         | Yes |
| Medicare Swing Beds..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

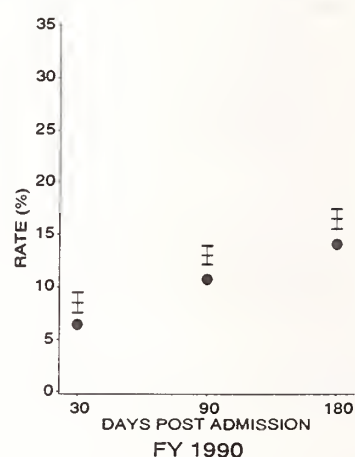
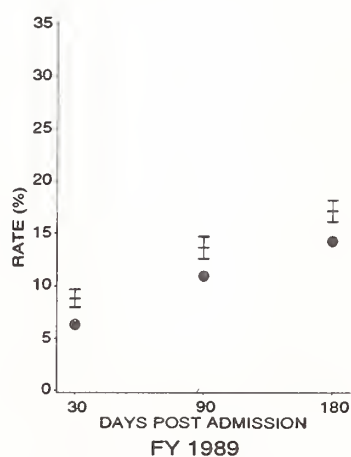
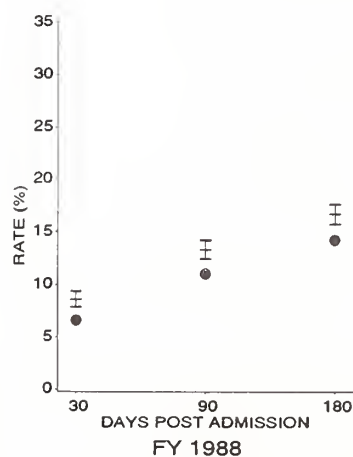
**BARNES HOSPITAL**  
 4949 BARNES HOSPITAL PLAZA  
 SAINT LOUIS, MO 63110  
 Medicare Provider Number: 260014

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 6857               | 6.4                 | 8.5  | 0.5   | 10.7    | 13.0 | 0.5   | 14.0     | 16.4 | 0.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 185                | 20.0                | 28.6 | 4.4   | 25.4    | 31.6 | 4.4   | 25.9     | 34.3 | 4.5   |
| Congestive Heart Failure.....              | 238                | 9.7                 | 13.9 | 3.3   | 15.5    | 22.3 | 4.5   | 22.7     | 28.5 | 4.2   |
| Pneumonia/Influenza.....                   | 153                | 7.8                 | 14.8 | 4.6   | 15.0    | 20.3 | 4.6   | 18.3     | 24.0 | 4.5   |
| Chronic Obstructive Pulmonary Disease..... | 102                | 4.9                 | 8.4  | 3.6   | 12.7    | 14.4 | 5.9   | 16.7     | 18.8 | 5.1   |
| Transient Cerebral Ischemia.....           | 65                 | 6.2                 | 1.5  | 2.9   | 10.8    | 3.2  | 3.9   | 12.3     | 5.1  | 4.2   |
| Stroke.....                                | 184                | 15.8                | 22.3 | 4.0   | 19.6    | 27.9 | 4.9   | 22.8     | 31.3 | 4.8   |
| Hip Fracture.....                          | 82                 | 7.3                 | 5.4  | 4.2   | 12.2    | 9.9  | 4.6   | 13.4     | 13.2 | 5.6   |
| Sepsis.....                                | 104                | 24.0                | 21.4 | 4.6   | 33.7    | 29.4 | 6.6   | 39.4     | 33.8 | 6.9   |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 84                 | 2.4                 | 4.3  | 3.1   | 2.4     | 5.2  | 3.6   | 2.4      | 6.3  | 4.2   |
| Coronary Artery Bypass Graft.....          | 162                | 5.6                 | 6.8  | 3.7   | 6.8     | 9.3  | 3.2   | 9.3      | 10.5 | 3.0   |
| Initial Pacemaker Insertion.....           | 69                 | 2.9                 | 3.3  | 2.7   | 5.8     | 6.4  | 3.2   | 7.2      | 9.2  | 4.1   |
| Carotid Endarterectomy.....                | 58                 | 1.7                 | 1.3  | 2.0   | 5.2     | 2.6  | 3.1   | 5.2      | 3.8  | 3.1   |
| Hip Replacement/Reconstruction.....        | 89                 | 4.5                 | 2.8  | 2.3   | 6.7     | 5.4  | 3.2   | 11.2     | 7.6  | 3.9   |
| Open Reduction of Hip Fracture.....        | 34                 | 0.0                 | 5.0  | ----- | 5.9     | 9.3  | ----- | 5.9      | 12.3 | ----- |
| Prostatectomy.....                         | 222                | 0.0                 | 0.8  | 0.8   | 0.5     | 1.8  | 1.2   | 1.4      | 3.1  | 1.6   |
| Cholecystectomy.....                       | 62                 | 0.0                 | 2.5  | 3.4   | 3.2     | 4.4  | 5.0   | 3.2      | 5.7  | 5.3   |
| Hysterectomy.....                          | 74                 | 1.4                 | 1.1  | 1.5   | 1.4     | 2.6  | 2.2   | 2.7      | 4.2  | 3.1   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$  2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**BARNES HOSPITAL**  
Medicare Provider Number: 260014

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 71.1 years  
Proportion female..... 54.5 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 46.6 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 32.2 %  
Admitted for emergency..... 66.1 %

**COMORBIDITIES:**

Cancer..... 9.7 %  
Chronic cardiovascular disease..... 30.8 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 8.8 %  
Cerebrovascular degeneration..... 3.7 %  
Diabetes mellitus..... 8.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 29.1%  
State ..... 37.1%  
Outside State ..... 33.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 10.2 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 1018  
Occupancy Rate ..... 72.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.0 %  
Case Mix Index (CMI) ..... 1.5675

**STAFFING:**

Total Number of Physicians.....1123  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 512  
Registered Nurses.....1457  
Licensed Practical Nurses ..... 38

**SPECIALTY SERVICES:**

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BARTON COUNTY MEMORIAL HOSPITAL

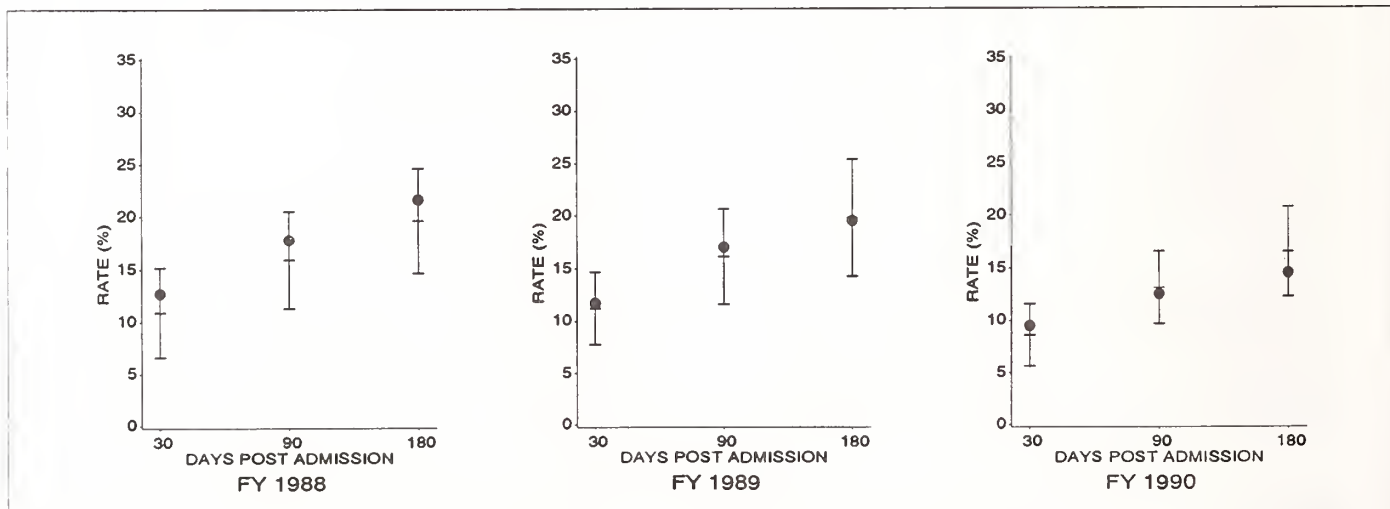
SECOND AND GULF ST  
LAMAR, MO 64759  
Medicare Provider Number: 260073

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 399             | 9.5                 | 8.6  | 1.5  | 12.5    | 13.1 | 1.7  | 14.5     | 16.5 | 2.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 13              | 53.8                | 30.9 | ---- | 53.8    | 33.4 | ---- | 53.8     | 36.3 | ---- |
| Congestive Heart Failure.....              | 37              | 5.4                 | 14.2 | ---- | 8.1     | 22.5 | ---- | 13.5     | 28.9 | ---- |
| Pneumonia/Influenza.....                   | 32              | 12.5                | 15.3 | ---- | 21.9    | 21.0 | ---- | 25.0     | 24.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 0.0                 | 7.1  | ---- | 0.0     | 12.8 | ---- | 0.0      | 17.0 | ---- |
| Transient Cerebral Ischemia.....           | 14              | 14.3                | 1.7  | ---- | 14.3    | 3.6  | ---- | 14.3     | 5.8  | ---- |
| Stroke.....                                | 8               | 50.0                | 28.0 | ---- | 62.5    | 37.2 | ---- | 62.5     | 42.3 | ---- |
| Hip Fracture.....                          | 7               | 28.6                | 11.7 | ---- | 28.6    | 19.1 | ---- | 28.6     | 23.5 | ---- |
| Sepsis.....                                | 1               | 100.0               | 24.5 | ---- | 100.0   | 28.7 | ---- | 100.0    | 31.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 5.7  | ---- | 0.0     | 10.1 | ---- | 0.0      | 13.2 | ---- |
| Open Reduction of Hip Fracture.....        | 3               | 33.3                | 6.7  | ---- | 33.3    | 11.9 | ---- | 33.3     | 16.3 | ---- |
| Prostatectomy.....                         | 14              | 0.0                 | 1.5  | ---- | 7.1     | 3.5  | ---- | 14.3     | 6.0  | ---- |
| Cholecystectomy.....                       | 9               | 0.0                 | 3.0  | ---- | 0.0     | 5.3  | ---- | 0.0      | 6.6  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BARTON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260073

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.4 %  
Transferred from skilled nursing facility..... 2.5 %  
Admitted for elective procedure..... 0.8 %  
Admitted for emergency..... 36.8 %

### COMORBIDITIES:

Cancer..... 3.3 %  
Chronic cardiovascular disease..... 36.1 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 15.8 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 77.2%  
State ..... 18.6%  
Outside State ..... 4.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 44  
Occupancy Rate ..... 45.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 60.7 %  
Case Mix Index (CMI) ..... 0.9574

### STAFFING:

Total Number of Physicians..... 11  
Percent of Physicians Board  
Certified Specialists ..... 18.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 22  
Licensed Practical Nurses ..... 28

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BATES COUNTY MEMORIAL HOSPITAL

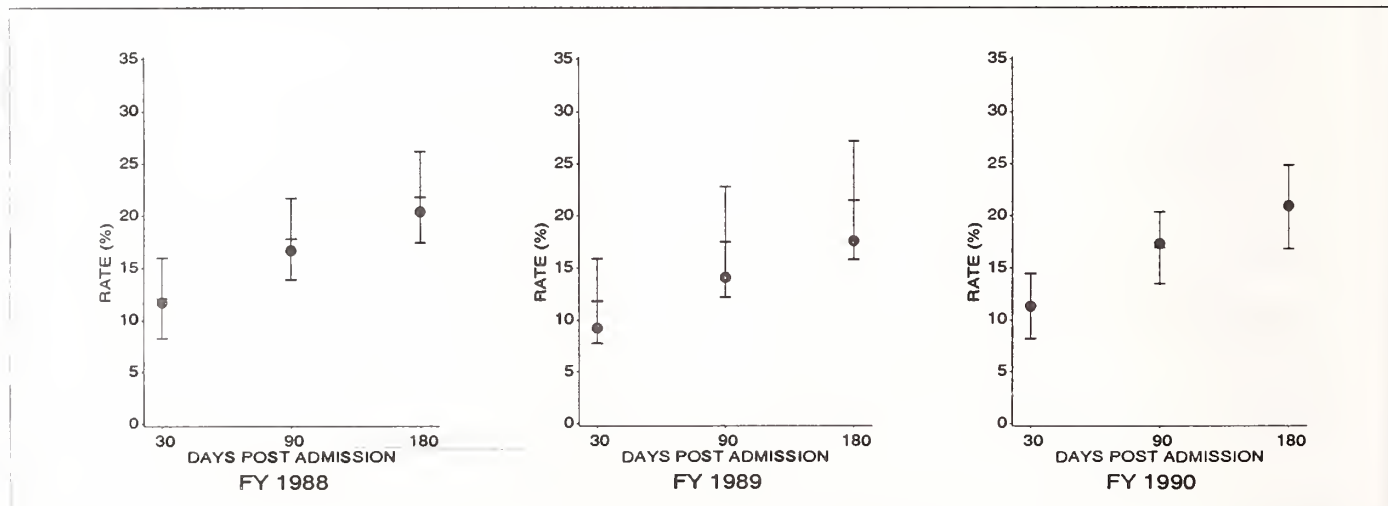
615 W NURSERY ST  
BUTLER, MO 64730  
Medicare Provider Number: 260034

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 503             | 11.3                | 11.3 | 1.6   | 17.3    | 16.9 | 1.7   | 20.9     | 20.8 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 50.0                | 38.1 | ----- | 50.0    | 41.4 | ----- | 60.0     | 45.6 | ----- |
| Congestive Heart Failure.....              | 38              | 21.1                | 16.7 | ----- | 28.9    | 27.2 | ----- | 34.2     | 33.8 | ----- |
| Pneumonia/Influenza.....                   | 77              | 24.7                | 15.3 | 7.4   | 29.9    | 21.1 | 8.4   | 36.4     | 24.8 | 8.8   |
| Chronic Obstructive Pulmonary Disease..... | 8               | 12.5                | 7.3  | ----- | 12.5    | 13.5 | ----- | 12.5     | 18.1 | ----- |
| Transient Cerebral Ischemia.....           | 10              | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.6  | ----- |
| Stroke.....                                | 34              | 5.9                 | 19.2 | ----- | 17.6    | 24.9 | ----- | 17.6     | 28.5 | ----- |
| Hip Fracture.....                          | 12              | 0.0                 | 9.9  | ----- | 16.7    | 17.5 | ----- | 16.7     | 22.7 | ----- |
| Sepsis.....                                | 2               | 50.0                | 33.1 | ----- | 50.0    | 43.9 | ----- | 50.0     | 50.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 4.1  | ----- | 0.0     | 8.3  | ----- | 0.0      | 11.9 | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 11.5 | ----- | 25.0    | 20.6 | ----- | 25.0     | 26.7 | ----- |
| Prostatectomy.....                         | 14              | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.4  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 2.9  | ----- | 0.0     | 5.2  | ----- | 0.0      | 6.8  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BATES COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260034

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.4 years  
Proportion female..... 62.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 76.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 99.0 %

### COMORBIDITIES:

Cancer..... 5.8 %  
Chronic cardiovascular disease..... 22.5 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 10.1 %  
Cerebrovascular degeneration..... 1.6 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.7%  
State ..... 11.7%  
Outside State ..... 4.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 28  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 49.8 %  
Case Mix Index (CMI) ..... 1.0212

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists ..... 20.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 19  
Licensed Practical Nurses ..... 15

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BETHESDA GENERAL HOSPITAL

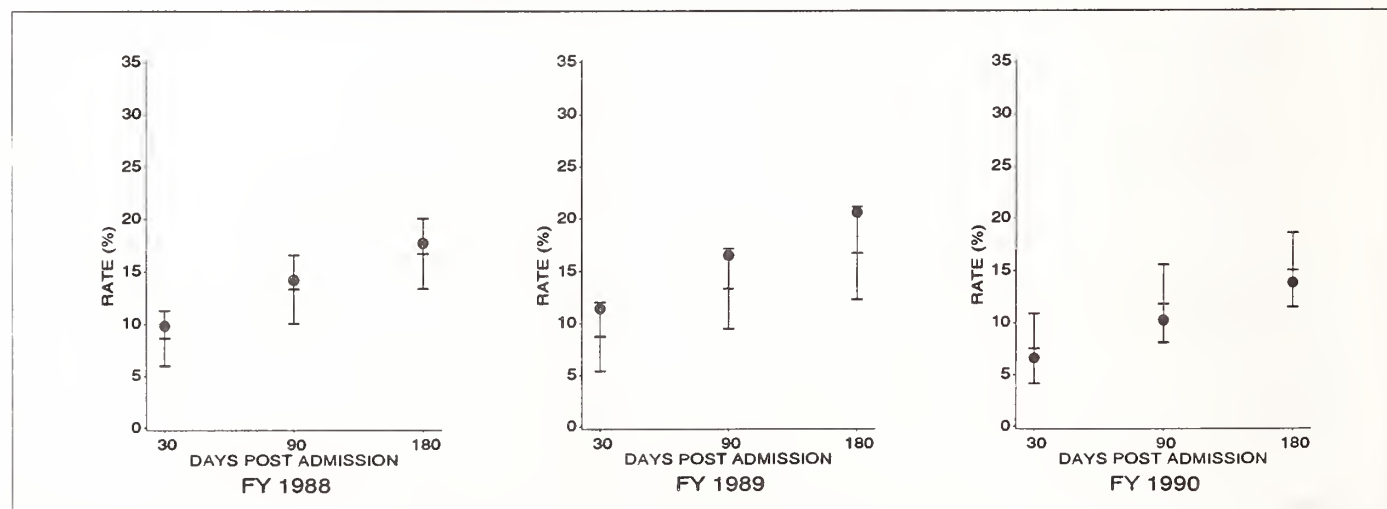
3655 VISTA AVE  
SAINT LOUIS, MO 63110  
Medicare Provider Number: 260042

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 558             | 6.6                 | 7.5  | 1.7   | 10.2    | 11.8 | 1.9   | 13.8     | 15.0 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 57.1                | 44.8 | ----- | 57.1    | 47.5 | ----- | 71.4     | 50.1 | ----- |
| Congestive Heart Failure.....              | 17              | 23.5                | 13.1 | ----- | 35.3    | 21.1 | ----- | 52.9     | 26.9 | ----- |
| Pneumonia/Influenza.....                   | 20              | 15.0                | 21.4 | ----- | 15.0    | 29.1 | ----- | 30.0     | 34.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 10.6 | ----- | 0.0     | 20.1 | ----- | 0.0      | 25.7 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.6  | ----- |
| Stroke.....                                | 12              | 25.0                | 21.2 | ----- | 25.0    | 28.8 | ----- | 25.0     | 32.8 | ----- |
| Hip Fracture.....                          | 11              | 9.1                 | 8.0  | ----- | 9.1     | 14.8 | ----- | 9.1      | 19.1 | ----- |
| Sepsis.....                                | 4               | 50.0                | 21.5 | ----- | 50.0    | 32.3 | ----- | 50.0     | 38.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 13.2 | ----- | 0.0     | 26.2 | ----- | 0.0      | 34.9 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 10.0 | ----- | 0.0     | 19.6 | ----- | 0.0      | 26.1 | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 6.7  | ----- | 0.0     | 12.2 | ----- | 0.0      | 15.6 | ----- |
| Prostatectomy.....                         | 16              | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.1  | ----- |
| Cholecystectomy.....                       | 7               | 0.0                 | 2.0  | ----- | 0.0     | 4.4  | ----- | 0.0      | 6.8  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BETHESDA GENERAL HOSPITAL

Medicare Provider Number: 260042

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.7 years |
| Proportion female.....        | 65.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 56.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 56.5 % |
| Admitted for emergency.....                    | 38.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.0 %  |
| Chronic cardiovascular disease..... | 37.6 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 2.5 %  |
| Chronic pulmonary disease.....      | 13.6 % |
| Cerebrovascular degeneration.....   | 6.5 %  |
| Diabetes mellitus.....              | 10.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 56.6%  |
| State .....         | 29.3%  |
| Outside State ..... | 14.1%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.1 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 122                 |
| Occupancy Rate .....       | 45.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 68.8 %              |
| Case Mix Index (CMI) ..... | 1.2439              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 168             |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 39              |
| Licensed Practical Nurses .....                            | 29              |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI --

\* Not used in calculating mortality rates

# BONNE TERRE HOSPITAL

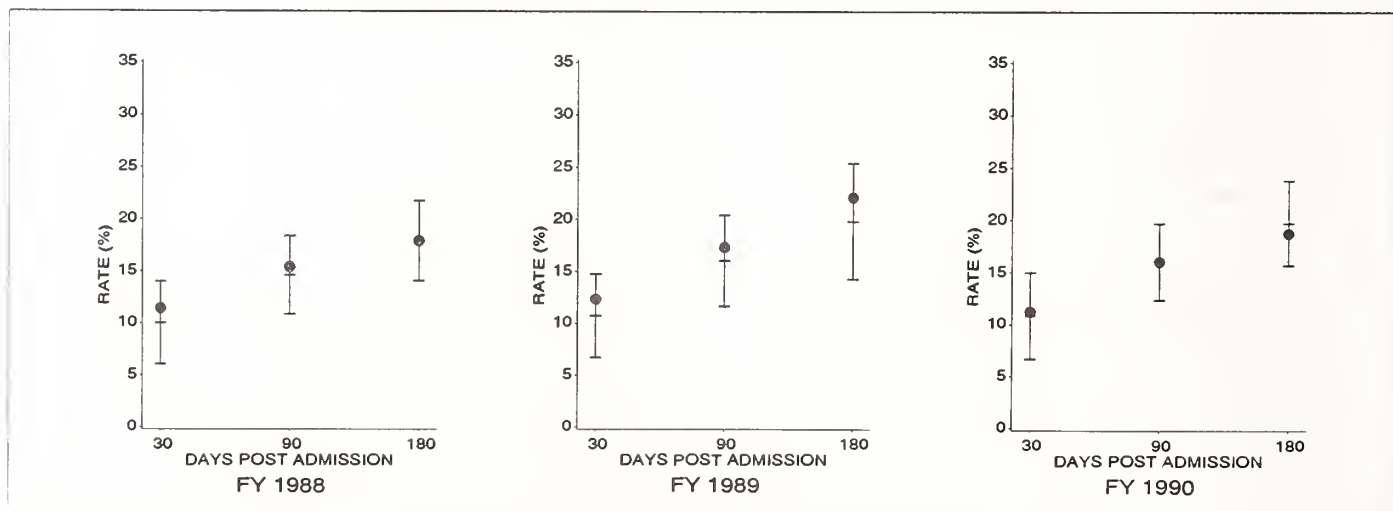
10 LAKE DRIVE  
BONNE TERRE, MO 63628  
Medicare Provider Number: 260092

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 418             | 11.2                | 10.8 | 2.1   | 16.0    | 16.0 | 1.8   | 18.7     | 19.7 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16              | 50.0                | 25.8 | ----- | 50.0    | 29.3 | ----- | 50.0     | 32.6 | ----- |
| Congestive Heart Failure.....              | 28              | 14.3                | 18.1 | ----- | 21.4    | 28.3 | ----- | 25.0     | 35.4 | ----- |
| Pneumonia/Influenza.....                   | 44              | 11.4                | 15.4 | ----- | 15.9    | 21.3 | ----- | 15.9     | 25.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 10.2 | ----- | 20.0    | 16.3 | ----- | 20.0     | 20.9 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.9  | ----- |
| Stroke.....                                | 16              | 25.0                | 18.0 | ----- | 43.8    | 23.7 | ----- | 50.0     | 27.2 | ----- |
| Hip Fracture.....                          | 8               | 12.5                | 6.8  | ----- | 25.0    | 12.7 | ----- | 25.0     | 16.2 | ----- |
| Sepsis.....                                | 5               | 20.0                | 28.8 | ----- | 40.0    | 38.0 | ----- | 60.0     | 42.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2               | 50.0                | 3.2  | ----- | 50.0    | 6.6  | ----- | 50.0     | 9.3  | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 6.0  | ----- | 0.0     | 11.6 | ----- | 0.0      | 15.3 | ----- |
| Prostatectomy.....                         | 15              | 0.0                 | 1.8  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.2  | ----- |
| Cholecystectomy.....                       | 10              | 0.0                 | 2.6  | ----- | 0.0     | 5.2  | ----- | 0.0      | 7.4  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 2.1  | ----- | 0.0     | 4.0  | ----- | 0.0      | 5.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BONNE TERRE HOSPITAL

Medicare Provider Number: 260092

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.6 years |
| Proportion female.....        | 52.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 41.4 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 2.4 %  |
| Admitted for emergency.....                    | 40.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.5 %  |
| Chronic cardiovascular disease..... | 38.8 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 1.4 %  |
| Chronic pulmonary disease.....      | 20.1 % |
| Cerebrovascular degeneration.....   | 4.8 %  |
| Diabetes mellitus.....              | 11.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 79.5%  |
| State .....         | 19.4%  |
| Outside State ..... | 1.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.6 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 56                  |
| Occupancy Rate .....       | 37.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 55.1 %              |
| Case Mix Index (CMI) ..... | 1.1456              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 54     |
| Percent of Physicians Board<br>Certified Specialists..... | 75.9 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 26     |
| Licensed Practical Nurses .....                           | 19     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | No  |
| Comprehensive Geriatric .....        | No  |
| Hospice Care .....                   | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | No  |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# BOONE HOSPITAL CENTER

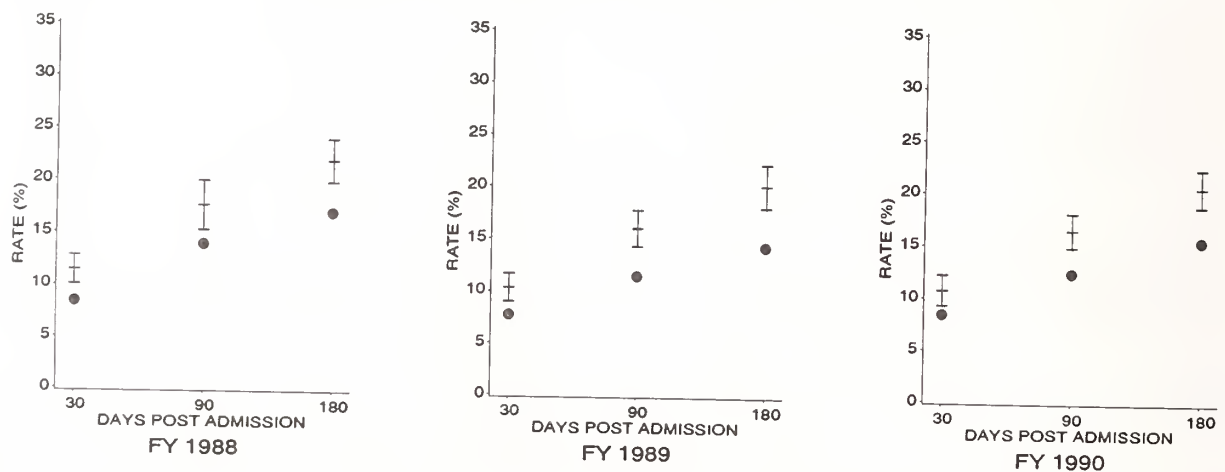
1600 E BROADWAY  
COLUMBIA, MO 65201  
Medicare Provider Number: 260068

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2560            | 8.4                 | 10.7 | 0.7   | 12.3    | 16.4 | 0.8   | 15.4     | 20.5 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 112             | 19.6                | 29.9 | 5.6   | 22.3    | 33.4 | 6.0   | 22.3     | 36.5 | 6.4   |
| Congestive Heart Failure.....              | 114             | 13.2                | 18.5 | 5.8   | 20.2    | 28.1 | 7.0   | 25.4     | 34.5 | 7.6   |
| Pneumonia/Influenza.....                   | 92              | 16.3                | 21.3 | 5.6   | 18.5    | 29.0 | 6.0   | 23.9     | 33.9 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 22              | 13.6                | 11.1 | ----- | 18.2    | 18.1 | ----- | 22.7     | 23.3 | ----- |
| Transient Cerebral Ischemia.....           | 44              | 0.0                 | 2.7  | ----- | 0.0     | 6.3  | ----- | 0.0      | 10.2 | ----- |
| Stroke.....                                | 77              | 11.7                | 19.4 | 7.3   | 18.2    | 26.9 | 7.8   | 22.1     | 31.3 | 7.7   |
| Hip Fracture.....                          | 56              | 7.1                 | 8.5  | 5.8   | 14.3    | 15.9 | 7.3   | 19.6     | 21.0 | 7.2   |
| Sepsis.....                                | 18              | 16.7                | 38.2 | ----- | 27.8    | 51.3 | ----- | 27.8     | 58.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 135             | 4.4                 | 5.3  | 2.0   | 6.7     | 6.6  | 2.5   | 6.7      | 7.9  | 2.8   |
| Coronary Artery Bypass Graft.....          | 174             | 13.2                | 8.2  | 3.1   | 14.9    | 11.6 | 2.9   | 14.9     | 12.9 | 2.7   |
| Initial Pacemaker Insertion.....           | 62              | 1.6                 | 3.9  | 3.1   | 8.1     | 7.9  | 4.1   | 9.7      | 11.5 | 4.5   |
| Carotid Endarterectomy.....                | 51              | 2.0                 | 1.7  | 1.8   | 2.0     | 3.1  | 2.6   | 2.0      | 4.6  | 3.8   |
| Hip Replacement/Reconstruction.....        | 43              | 4.7                 | 7.0  | ----- | 9.3     | 13.0 | ----- | 14.0     | 17.1 | ----- |
| Open Reduction of Hip Fracture.....        | 26              | 11.5                | 7.2  | ----- | 15.4    | 13.6 | ----- | 23.1     | 18.6 | ----- |
| Prostatectomy.....                         | 64              | 1.6                 | 1.6  | 3.0   | 4.7     | 3.6  | 4.5   | 4.7      | 5.9  | 6.3   |
| Cholecystectomy.....                       | 62              | 3.2                 | 4.5  | 3.3   | 4.8     | 8.1  | 6.0   | 4.8      | 10.3 | 7.3   |
| Hysterectomy.....                          | 24              | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 4.2      | 3.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BOONE HOSPITAL CENTER

Medicare Provider Number: 260068

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 53.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.9 %  
Transferred from skilled nursing facility..... 41.8 %  
Admitted for elective procedure..... 1.6 %  
Admitted for emergency..... 38.6 %

### COMORBIDITIES:

Cancer..... 8.5 %  
Chronic cardiovascular disease..... 40.9 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 11.2 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 9.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 38.8%  
State..... 59.1%  
Outside State..... 2.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.8 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 311  
Occupancy Rate..... 60.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 43.3 %  
Case Mix Index (CMI)..... 1.7348

### STAFFING:

Total Number of Physicians..... 190  
Percent of Physicians Board  
Certified Specialists..... 83.2 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 312  
Licensed Practical Nurses..... 28

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BOTHWELL REGIONAL HEALTH CENTER

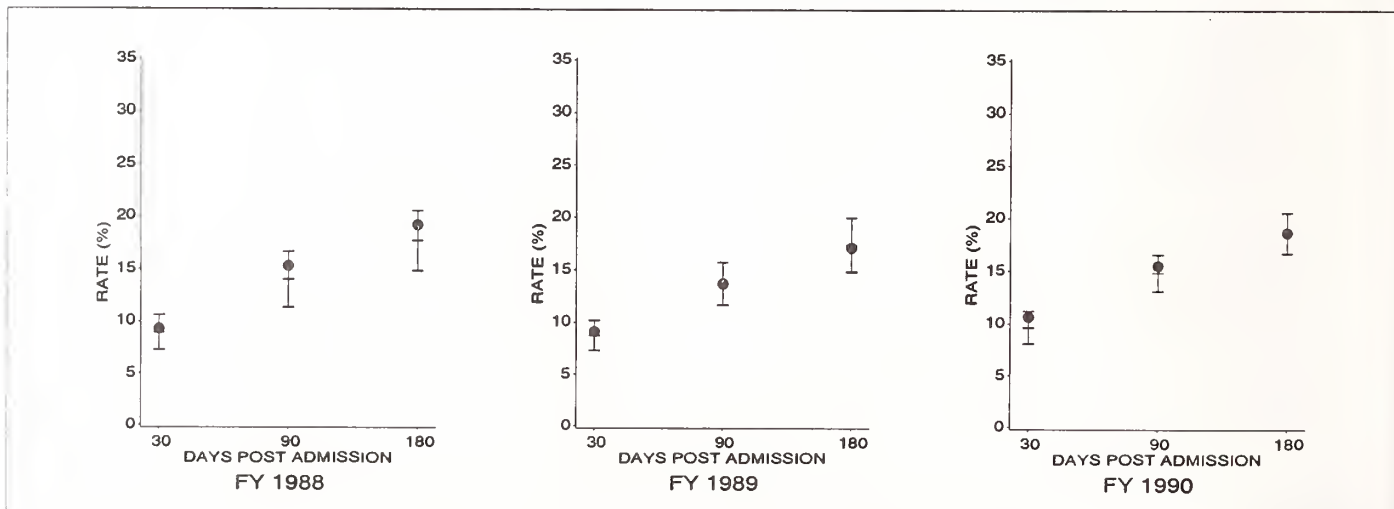
644 E 13TH ST  
SEDALIA, MO 65301  
Medicare Provider Number: 260009

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1895            | 10.6                | 9.6  | 0.8  | 15.5    | 14.8 | 0.9  | 18.6     | 18.6 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 67              | 34.3                | 29.2 | 6.5  | 37.3    | 32.7 | 6.3  | 40.3     | 35.8 | 6.2  |
| Congestive Heart Failure.....              | 127             | 11.8                | 14.9 | 5.1  | 17.3    | 24.0 | 6.8  | 22.8     | 30.5 | 7.0  |
| Pneumonia/Influenza.....                   | 192             | 14.6                | 16.0 | 3.3  | 19.3    | 22.3 | 4.8  | 22.9     | 26.6 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 59              | 6.8                 | 7.2  | 3.4  | 15.3    | 12.9 | 4.9  | 16.9     | 17.3 | 5.1  |
| Transient Cerebral Ischemia.....           | 25              | 4.0                 | 1.5  | ---- | 16.0    | 3.3  | ---- | 16.0     | 5.3  | ---- |
| Stroke.....                                | 71              | 19.7                | 18.0 | 6.7  | 28.2    | 24.3 | 6.2  | 31.0     | 28.2 | 6.0  |
| Hip Fracture.....                          | 65              | 15.4                | 6.6  | 6.5  | 20.0    | 12.2 | 6.7  | 21.5     | 16.2 | 6.2  |
| Sepsis.....                                | 11              | 27.3                | 24.6 | ---- | 36.4    | 34.4 | ---- | 36.4     | 39.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 18              | 0.0                 | 4.3  | ---- | 0.0     | 7.7  | ---- | 0.0      | 11.1 | ---- |
| Carotid Endarterectomy.....                | 2               | 50.0                | 3.6  | ---- | 50.0    | 7.3  | ---- | 50.0     | 10.6 | ---- |
| Hip Replacement/Reconstruction.....        | 50              | 12.0                | 3.3  | ---- | 16.0    | 6.3  | ---- | 16.0     | 8.6  | ---- |
| Open Reduction of Hip Fracture.....        | 18              | 22.2                | 7.2  | ---- | 22.2    | 13.7 | ---- | 27.8     | 18.3 | ---- |
| Prostatectomy.....                         | 47              | 0.0                 | 1.5  | ---- | 2.1     | 3.4  | ---- | 2.1      | 5.6  | ---- |
| Cholecystectomy.....                       | 39              | 0.0                 | 2.3  | ---- | 0.0     | 4.3  | ---- | 2.6      | 5.5  | ---- |
| Hysterectomy.....                          | 24              | 0.0                 | 0.6  | ---- | 0.0     | 1.4  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BOTHWELL REGIONAL HEALTH CENTER

Medicare Provider Number: 260009

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years  
Proportion female..... 58.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.6 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 20.3 %  
Admitted for emergency..... 53.9 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 29.2 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 19.3 %  
Cerebrovascular degeneration..... 9.3 %  
Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 61.7%  
State..... 36.7%  
Outside State..... 1.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.3 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 185  
Ownership/Control..... Local Government  
Case Mix Index (CMI)..... 1.2072

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 150  
Licensed Practical Nurses..... 109

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BREECH MEDICAL CENTER

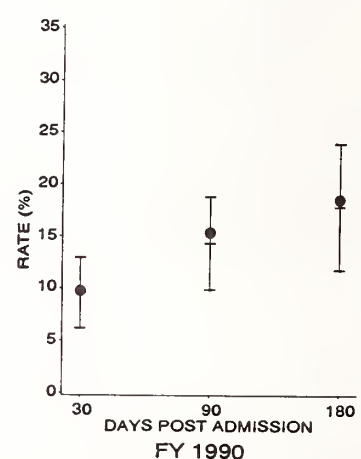
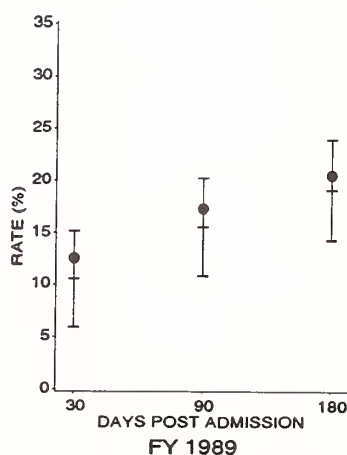
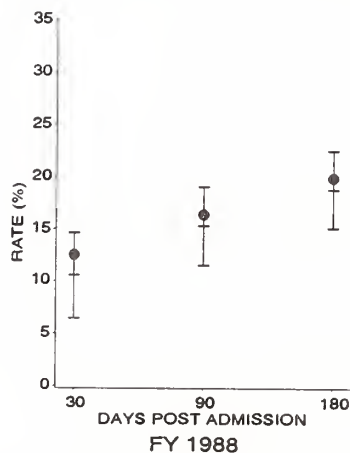
305 HARWOOD  
LEBANON, MO 65536  
Medicare Provider Number: 260059

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 556             | 9.7                 | 9.5  | 1.7  | 15.3    | 14.3 | 2.2  | 18.5     | 17.8 | 3.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 80.0                | 41.6 | ---- | 80.0    | 44.7 | ---- | 80.0     | 47.6 | ---- |
| Congestive Heart Failure.....              | 51              | 13.7                | 14.1 | 6.6  | 29.4    | 22.4 | 8.2  | 31.4     | 28.3 | 11.8 |
| Pneumonia/Influenza.....                   | 65              | 10.8                | 13.3 | 4.7  | 16.9    | 18.3 | 5.4  | 18.5     | 21.7 | 6.2  |
| Chronic Obstructive Pulmonary Disease..... | 24              | 8.3                 | 6.9  | ---- | 12.5    | 12.2 | ---- | 12.5     | 16.0 | ---- |
| Transient Cerebral Ischemia.....           | 14              | 14.3                | 5.0  | ---- | 21.4    | 10.0 | ---- | 21.4     | 14.1 | ---- |
| Stroke.....                                | 21              | 19.0                | 22.0 | ---- | 33.3    | 26.8 | ---- | 38.1     | 30.3 | ---- |
| Hip Fracture.....                          | 24              | 4.2                 | 6.0  | ---- | 12.5    | 10.4 | ---- | 12.5     | 13.6 | ---- |
| Sepsis.....                                | 4               | 50.0                | 37.7 | ---- | 75.0    | 46.8 | ---- | 75.0     | 52.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5               | 0.0                 | 4.9  | ---- | 0.0     | 9.1  | ---- | 0.0      | 12.2 | ---- |
| Open Reduction of Hip Fracture.....        | 14              | 7.1                 | 5.6  | ---- | 21.4    | 10.0 | ---- | 21.4     | 13.2 | ---- |
| Prostatectomy.....                         | 17              | 0.0                 | 1.4  | ---- | 5.9     | 3.1  | ---- | 5.9      | 5.2  | ---- |
| Cholecystectomy.....                       | 12              | 8.3                 | 3.2  | ---- | 8.3     | 6.0  | ---- | 8.3      | 7.9  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.9  | ---- | 0.0     | 1.9  | ---- | 20.0     | 2.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BREECH MEDICAL CENTER

Medicare Provider Number: 260059

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 44.8 %

### COMORBIDITIES:

Cancer..... 5.9 %  
Chronic cardiovascular disease..... 40.6 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 17.8 %  
Cerebrovascular degeneration..... 1.6 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 81.5%  
State..... 16.6%  
Outside State..... 1.9%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.1 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 53  
Occupancy Rate..... 34.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 63.9 %  
Case Mix Index (CMI)..... 1.0016

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists..... 77.8 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 26  
Licensed Practical Nurses..... 24

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CALLAWAY MEMORIAL HOSPITAL

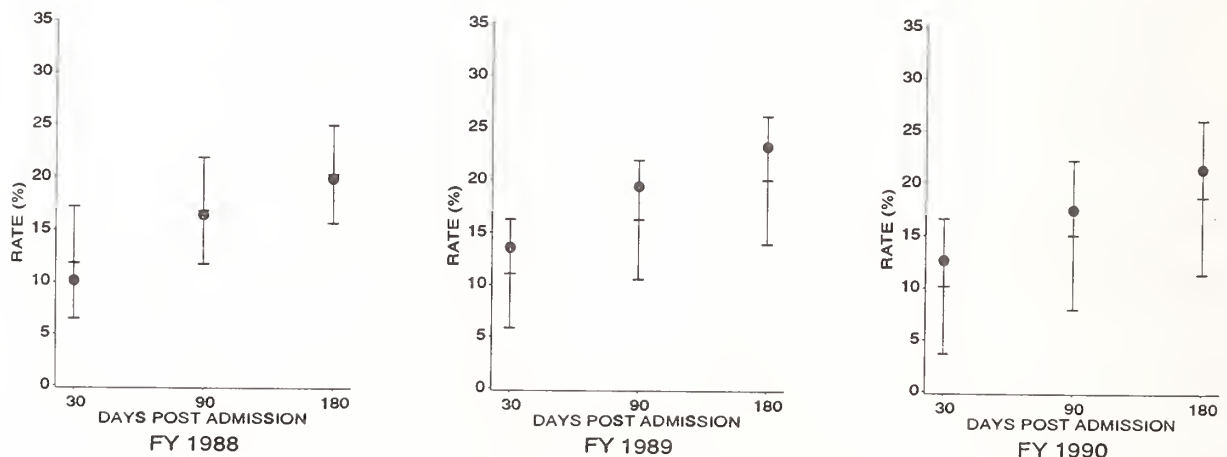
10 SOUTH HOSPITAL DRIVE  
FULTON, MO 65251  
Medicare Provider Number: 260131

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 333             | 12.6                | 10.1 | 3.2  | 17.4    | 15.0 | 3.6  | 21.3     | 18.6 | 3.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 11.1                | 20.6 | ---- | 11.1    | 23.3 | ---- | 11.1     | 25.9 | ---- |
| Congestive Heart Failure.....              | 23              | 17.4                | 14.2 | ---- | 17.4    | 21.7 | ---- | 30.4     | 27.7 | ---- |
| Pneumonia/Influenza.....                   | 29              | 17.2                | 14.6 | ---- | 20.7    | 21.2 | ---- | 27.6     | 25.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 8.6  | ---- | 20.0    | 14.4 | ---- | 20.0     | 18.4 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.7  | ---- | 0.0     | 3.5  | ---- | 0.0      | 5.5  | ---- |
| Stroke.....                                | 13              | 15.4                | 16.7 | ---- | 30.8    | 22.4 | ---- | 30.8     | 26.2 | ---- |
| Hip Fracture.....                          | 29              | 6.9                 | 6.1  | ---- | 17.2    | 11.3 | ---- | 20.7     | 15.1 | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 10              | 10.0                | 3.4  | ---- | 10.0    | 6.8  | ---- | 10.0     | 9.5  | ---- |
| Open Reduction of Hip Fracture.....        | 15              | 6.7                 | 5.8  | ---- | 20.0    | 11.0 | ---- | 26.7     | 14.9 | ---- |
| Prostatectomy.....                         | 3               | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.5  | ---- |
| Cholecystectomy.....                       | 12              | 8.3                 | 5.0  | ---- | 8.3     | 7.9  | ---- | 8.3      | 9.4  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CALLAWAY MEMORIAL HOSPITAL

Medicare Provider Number: 260131

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.6 years |
| Proportion female.....        | 65.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 24.8 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 24.8 % |
| Admitted for emergency.....                    | 0.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 2.7 %  |
| Chronic cardiovascular disease..... | 33.1 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 0.9 %  |
| Chronic pulmonary disease.....      | 10.7 % |
| Cerebrovascular degeneration.....   | 10.7 % |
| Diabetes mellitus.....              | 7.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 90.6%  |
| State .....         | 7.5%   |
| Outside State ..... | 1.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.8 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 32                  |
| Occupancy Rate .....       | 62.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 27.5 %              |
| Case Mix Index (CMI) ..... | 1.2410              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 11     |
| Percent of Physicians Board<br>Certified Specialists ..... | 63.6 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 52     |
| Licensed Practical Nurses .....                            | 9      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CAMERON COMMUNITY HOSPITAL

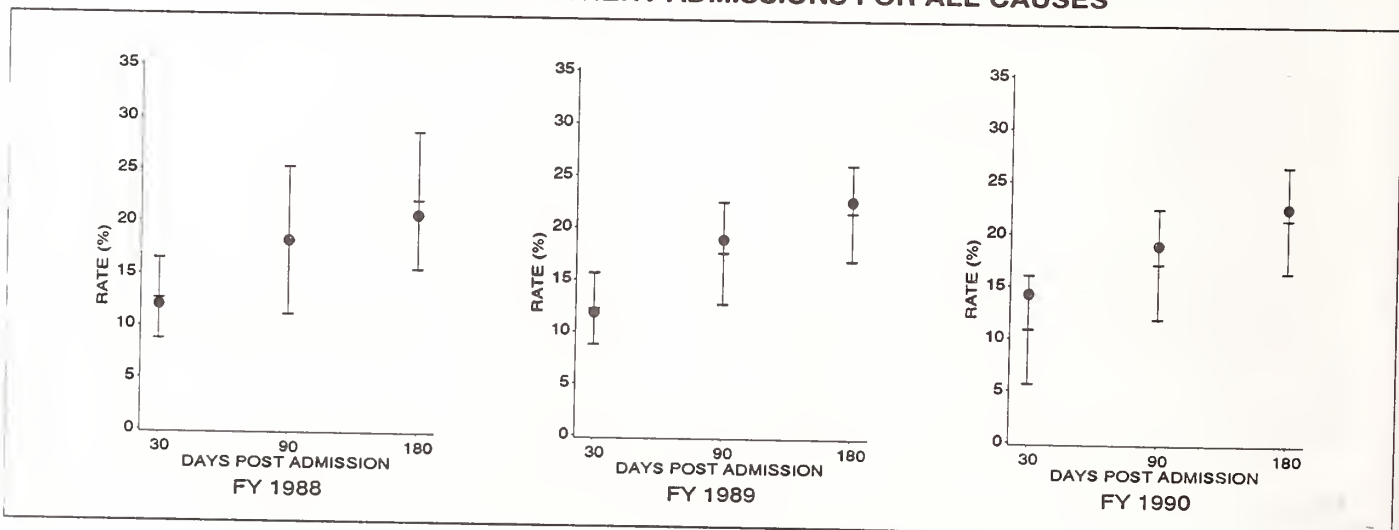
1015 W 4TH ST  
CAMERON, MO 64429  
Medicare Provider Number: 260057

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 408                | 14.2                | 10.8 | 2.6   | 18.9    | 17.1 | 2.6   | 22.5     | 21.4 | 2.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11                 | 9.1                 | 29.7 | ----- | 18.2    | 33.2 | ----- | 18.2     | 36.2 | ----- |
| Congestive Heart Failure.....              | 30                 | 30.0                | 15.3 | ----- | 30.0    | 23.7 | ----- | 36.7     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 22                 | 22.7                | 18.5 | ----- | 31.8    | 26.0 | ----- | 40.9     | 30.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 8.7  | ----- | 14.3    | 16.0 | ----- | 14.3     | 21.6 | ----- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 2.1  | ----- | 0.0     | 5.2  | ----- | 0.0      | 9.0  | ----- |
| Stroke.....                                | 24                 | 20.8                | 16.2 | ----- | 25.0    | 23.1 | ----- | 25.0     | 27.2 | ----- |
| Hip Fracture.....                          | 28                 | 10.7                | 6.7  | ----- | 14.3    | 12.8 | ----- | 17.9     | 17.2 | ----- |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.1  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 16                 | 0.0                 | 3.6  | ----- | 6.3     | 6.9  | ----- | 6.3      | 9.2  | ----- |
| Open Reduction of Hip Fracture.....        | 12                 | 8.3                 | 6.6  | ----- | 8.3     | 13.1 | ----- | 16.7     | 18.1 | ----- |
| Prostatectomy.....                         | 8                  | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.1  | ----- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 2.9  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 1.6  | ----- | 0.0     | 4.5  | ----- | 0.0      | 7.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CAMERON COMMUNITY HOSPITAL

Medicare Provider Number: 260057

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.8 years

Proportion female..... 63.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.3 %

Transferred from skilled nursing facility..... 1.0 %

Admitted for elective procedure..... 0.2 %

Admitted for emergency..... 6.4 %

### COMORBIDITIES:

Cancer..... 8.6 %

Chronic cardiovascular disease..... 29.9 %

Chronic liver disease..... 0.2 %

Chronic renal disease..... 1.5 %

Chronic pulmonary disease..... 12.3 %

Cerebrovascular degeneration..... 8.6 %

Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 40.4%

State ..... 58.2%

Outside State ..... 1.4%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days

State ..... 8.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 28

Occupancy Rate ..... 64.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 59.2 %

Case Mix Index (CMI) ..... 1.1883

### STAFFING:

Total Number of Physicians..... 9

Percent of Physicians Board  
Certified Specialists ..... 55.6 %

Medical Residents/Interns ..... 0

Registered Nurses..... 26

Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CARROLL COUNTY MEMORIAL HOSPITAL

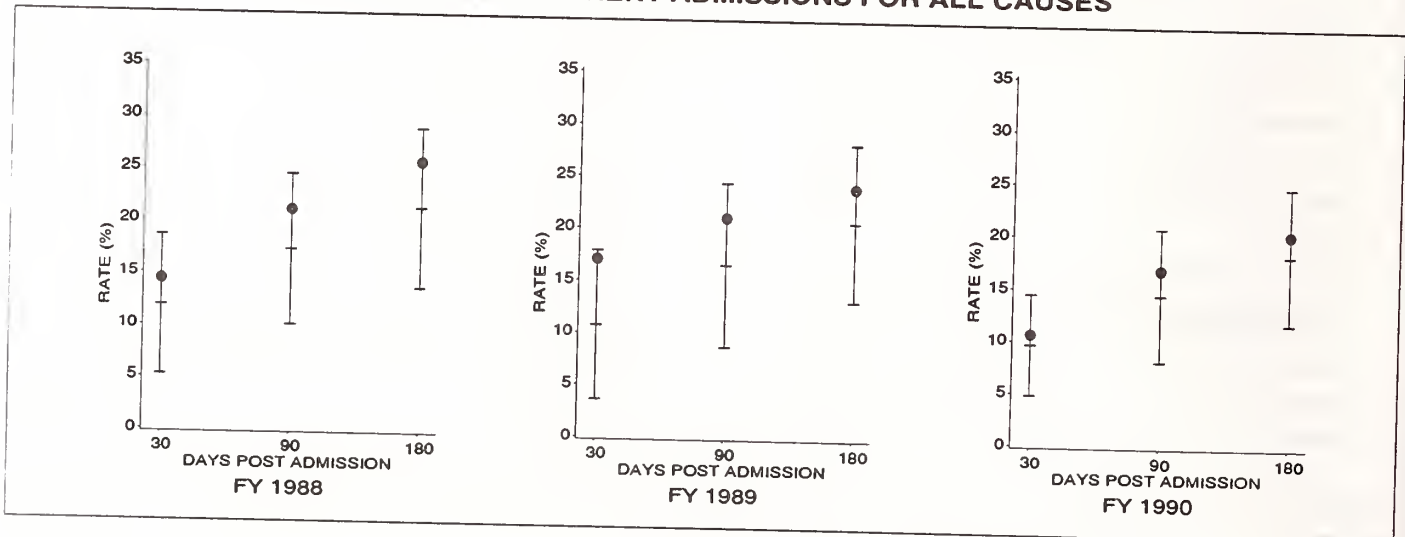
1502 N JEFFERSON  
CARROLLTON, MO 64633  
Medicare Provider Number: 260067

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 208             | 10.6                | 9.6  | 2.4  | 16.8    | 14.4 | 3.2  | 20.2     | 18.2 | 3.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7               | 42.9                | 30.4 | ---- | 42.9    | 33.1 | ---- | 42.9     | 36.3 | ---- |
| Congestive Heart Failure.....              | 19              | 15.8                | 13.9 | ---- | 21.1    | 21.4 | ---- | 31.6     | 27.5 | ---- |
| Pneumonia/Influenza.....                   | 36              | 8.3                 | 13.7 | ---- | 13.9    | 19.2 | ---- | 16.7     | 22.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 16.7                | 7.8  | ---- | 16.7    | 14.1 | ---- | 16.7     | 18.8 | ---- |
| Transient Cerebral Ischemia.....           | 10              | 10.0                | 1.9  | ---- | 10.0    | 4.4  | ---- | 10.0     | 7.2  | ---- |
| Stroke.....                                | 11              | 9.1                 | 18.5 | ---- | 18.2    | 26.7 | ---- | 27.3     | 31.7 | ---- |
| Hip Fracture.....                          | 4               | 50.0                | 3.2  | ---- | 50.0    | 6.6  | ---- | 50.0     | 9.5  | ---- |
| Sepsis.....                                | 2               | 50.0                | 16.6 | ---- | 50.0    | 21.6 | ---- | 50.0     | 26.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 100.0               | 3.3  | ---- | 100.0   | 7.2  | ---- | 100.0    | 10.6 | ---- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.4  | ---- | 0.0     | 2.7  | ---- | 0.0      | 3.8  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CARROLL COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260067

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.4 years  
Proportion female..... 64.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 95.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.0 %

### COMORBIDITIES:

Cancer..... 4.3 %  
Chronic cardiovascular disease..... 42.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 15.8 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 3.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.1 %  
State ..... 10.3 %  
Outside State ..... 1.6 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 40  
Occupancy Rate ..... 47.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 71.6 %  
Case Mix Index (CMI) ..... 0.9692

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists..... 40.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CASS MEDICAL CENTER

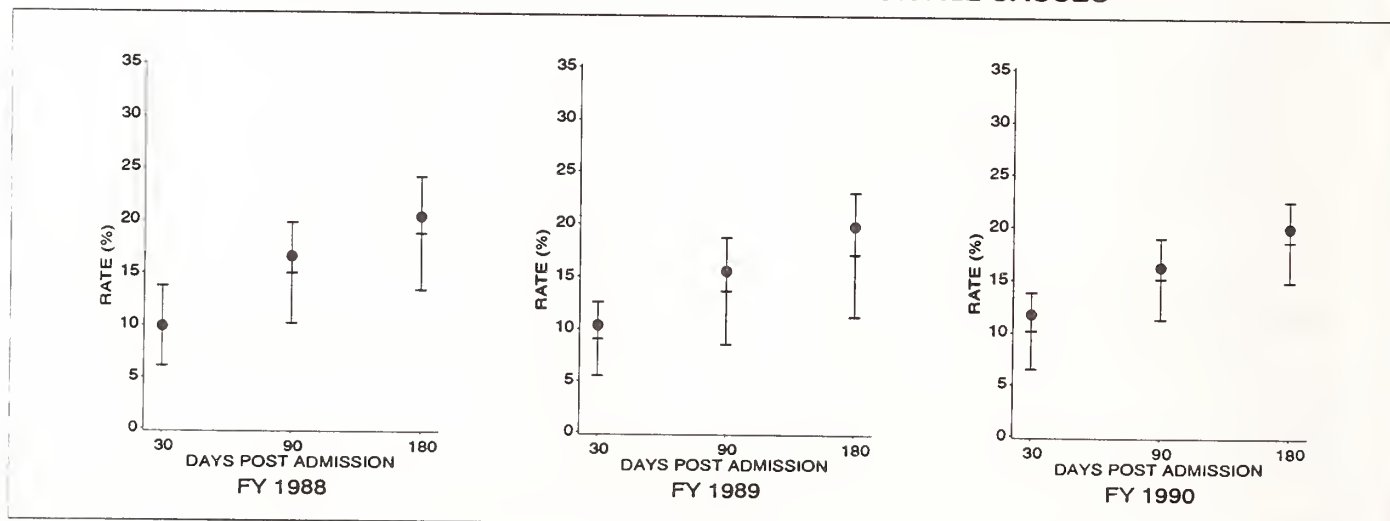
1800 E MECHANIC  
HARRISONVILLE, MO 64701  
Medicare Provider Number: 260036

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 512             | 11.7                | 10.1 | 1.8   | 16.2    | 15.1 | 1.9   | 19.9     | 18.6 | 1.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15              | 40.0                | 32.5 | ----- | 46.7    | 36.7 | ----- | 53.3     | 40.4 | ----- |
| Congestive Heart Failure.....              | 30              | 16.7                | 12.3 | ----- | 20.0    | 19.7 | ----- | 20.0     | 25.5 | ----- |
| Pneumonia/Influenza.....                   | 65              | 15.4                | 14.6 | 5.1   | 24.6    | 20.8 | 6.8   | 27.7     | 24.7 | 6.5   |
| Chronic Obstructive Pulmonary Disease..... | 10              | 10.0                | 5.9  | ----- | 30.0    | 10.0 | ----- | 30.0     | 13.2 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.7  | ----- |
| Stroke.....                                | 15              | 13.3                | 22.5 | ----- | 13.3    | 29.2 | ----- | 20.0     | 33.5 | ----- |
| Hip Fracture.....                          | 21              | 4.8                 | 5.8  | ----- | 19.0    | 10.4 | ----- | 19.0     | 13.8 | ----- |
| Sepsis.....                                | 4               | 25.0                | 20.9 | ----- | 25.0    | 25.5 | ----- | 50.0     | 28.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 10              | 0.0                 | 3.6  | ----- | 0.0     | 6.6  | ----- | 0.0      | 9.2  | ----- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 6.0  | ----- | 36.4    | 11.3 | ----- | 36.4     | 14.9 | ----- |
| Prostatectomy.....                         | 9               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.3  | ----- |
| Cholecystectomy.....                       | 11              | 0.0                 | 1.9  | ----- | 0.0     | 3.2  | ----- | 0.0      | 3.9  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**CASS MEDICAL CENTER**  
Medicare Provider Number: 260036

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 78.2 years  
Proportion female..... 65.6 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 98.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 97.9 %

**COMORBIDITIES:**

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 30.7 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 16.6 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 5.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 78.2%  
State ..... 19.4%  
Outside State ..... 2.4%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 50  
Occupancy Rate ..... 40.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 55.7 %  
Case Mix Index (CMI) ..... 1.0843

**STAFFING:**

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists..... 90.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 38  
Licensed Practical Nurses ..... 14

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CEDAR COUNTY MEMORIAL HOSPITAL

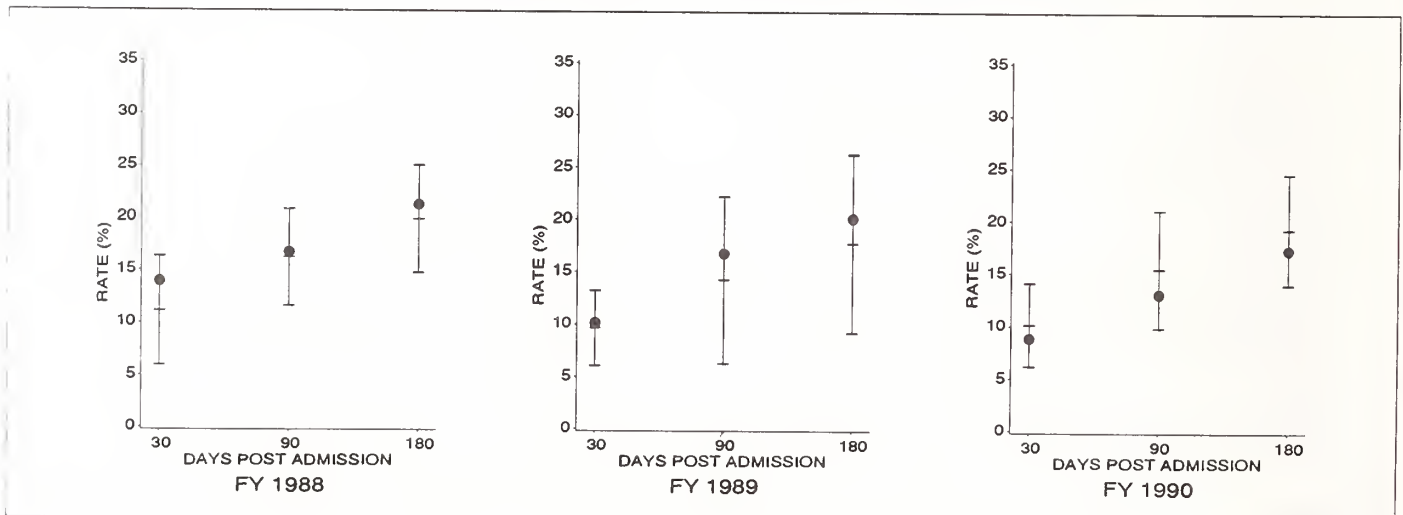
1401 S PARK  
EL DORADO SPRINGS, MO 64744  
Medicare Provider Number: 260035

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 308                | 8.8                 | 10.1 | 2.0  | 13.0    | 15.4 | 2.8  | 17.2     | 19.2 | 2.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 34.8 | ---- | 50.0    | 37.5 | ---- | 50.0     | 40.8 | ---- |
| Congestive Heart Failure.....              | 21                 | 14.3                | 18.8 | ---- | 19.0    | 29.6 | ---- | 23.8     | 36.4 | ---- |
| Pneumonia/Influenza.....                   | 42                 | 14.3                | 16.3 | ---- | 23.8    | 22.6 | ---- | 28.6     | 26.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 0.0                 | 5.4  | ---- | 0.0     | 11.0 | ---- | 0.0      | 15.4 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.4  | ---- | 0.0     | 3.1  | ---- | 0.0      | 5.3  | ---- |
| Stroke.....                                | 17                 | 17.6                | 19.0 | ---- | 23.5    | 25.9 | ---- | 23.5     | 29.9 | ---- |
| Hip Fracture.....                          | 11                 | 0.0                 | 8.2  | ---- | 9.1     | 14.7 | ---- | 18.2     | 19.2 | ---- |
| Sepsis.....                                | 2                  | 50.0                | 25.0 | ---- | 50.0    | 28.9 | ---- | 50.0     | 32.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 4.8  | ---- | 0.0     | 8.9  | ---- | 20.0     | 11.9 | ---- |
| Open Reduction of Hip Fracture.....        | 7                  | 0.0                 | 8.6  | ---- | 14.3    | 16.1 | ---- | 14.3     | 21.4 | ---- |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.8  | ---- | 0.0     | 2.9  | ---- | 0.0      | 3.6  | ---- |
| Hysterectomy.....                          | 2                  | 0.0                 | 1.5  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CEDAR COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260035

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.8 years  
Proportion female..... 64.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 40.9 %

### COMORBIDITIES:

Cancer..... 4.5 %  
Chronic cardiovascular disease..... 30.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.5 %  
Chronic pulmonary disease..... 15.9 %  
Cerebrovascular degeneration..... 7.5 %  
Diabetes mellitus..... 4.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.2%  
State ..... 16.3%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.7 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 34  
Occupancy Rate ..... 35.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 53.4 %  
Case Mix Index (CMI) ..... 1.0583

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CENTRAL MEDICAL CENTER INC

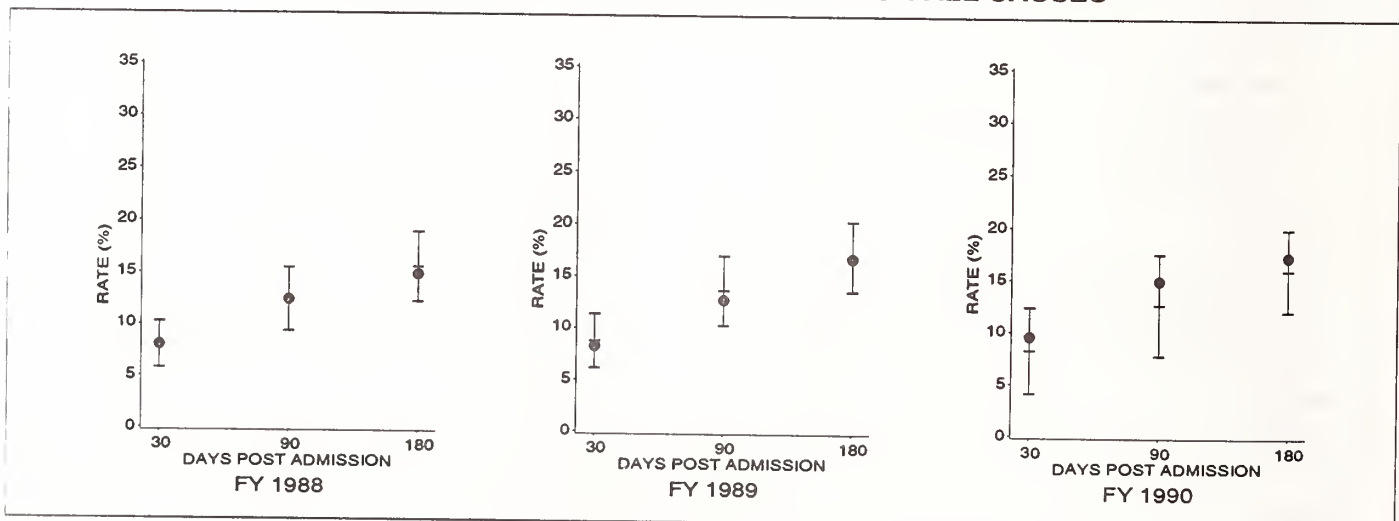
4411 NORTH NEWSTEAD  
ST LOUIS, MO 63115  
Medicare Provider Number: 260051

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 516                | 9.5                 | 8.2  | 2.1  | 14.9    | 12.6 | 2.4  | 17.2     | 15.9 | 2.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9                  | 33.3                | 26.7 | ---- | 33.3    | 29.2 | ---- | 33.3     | 31.3 | ---- |
| Congestive Heart Failure.....              | 49                 | 12.2                | 13.5 | ---- | 18.4    | 21.7 | ---- | 22.4     | 27.7 | ---- |
| Pneumonia/Influenza.....                   | 19                 | 0.0                 | 9.3  | ---- | 0.0     | 13.0 | ---- | 5.3      | 15.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 4.2  | ---- | 0.0     | 6.9  | ---- | 0.0      | 9.8  | ---- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 1.1  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.9  | ---- |
| Stroke.....                                | 23                 | 21.7                | 22.5 | ---- | 34.8    | 28.7 | ---- | 39.1     | 32.4 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.9  | ---- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 3.7  | ---- | 0.0     | 7.4  | ---- | 0.0      | 10.7 | ---- |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 22                 | 0.0                 | 1.6  | ---- | 4.5     | 3.8  | ---- | 4.5      | 6.2  | ---- |
| Cholecystectomy.....                       | 14                 | 21.4                | 3.1  | ---- | 28.6    | 6.2  | ---- | 35.7     | 9.1  | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CENTRAL MEDICAL CENTER INC

Medicare Provider Number: 260051

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.2 years  
 Proportion female..... 61.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.2 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 33.3 %  
 Admitted for emergency..... 52.7 %

### COMORBIDITIES:

Cancer..... 5.6 %  
 Chronic cardiovascular disease..... 28.7 %  
 Chronic liver disease..... 0.6 %  
 Chronic renal disease..... 3.7 %  
 Chronic pulmonary disease..... 10.7 %  
 Cerebrovascular degeneration..... 5.4 %  
 Diabetes mellitus..... 16.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.3%  
 State ..... 15.8%  
 Outside State ..... 3.9%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 10.6 Days  
 State ..... 8.4 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 144  
 Occupancy Rate ..... 41.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges ..... 38.1 %  
 Case Mix Index (CMI) ..... 1.2361

### STAFFING:

Total Number of Physicians..... 49  
 Percent of Physicians Board  
 Certified Specialists ..... 46.9 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses ..... 30  
 Licensed Practical Nurses ..... 31

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... No  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHAFFEE GENERAL HOSPITAL

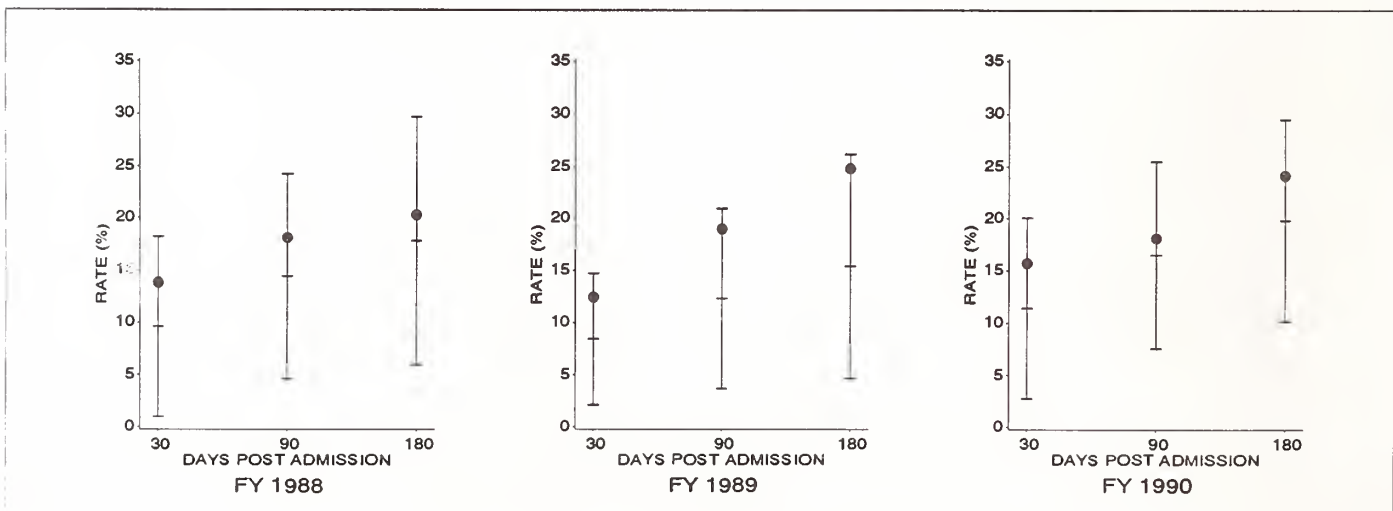
537 W YOAKUM AVE  
CHAFFEE, MO 63740  
Medicare Provider Number: 260165

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 83              | 15.7                | 11.4 | 4.3   | 18.1    | 16.5 | 4.5   | 24.1     | 19.8 | 4.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 0.0                 | 21.2 | ----- | 0.0     | 23.1 | ----- | 0.0      | 25.9 | ----- |
| Congestive Heart Failure.....              | 3               | 33.3                | 10.2 | ----- | 33.3    | 15.4 | ----- | 33.3     | 19.1 | ----- |
| Pneumonia/Influenza.....                   | 21              | 19.0                | 15.3 | ----- | 23.8    | 20.9 | ----- | 38.1     | 24.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 7.5  | ----- | 0.0     | 10.7 | ----- | 0.0      | 12.8 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.8  | ----- | 0.0     | 4.3  | ----- | 0.0      | 7.4  | ----- |
| Stroke.....                                | 1               | 0.0                 | 18.4 | ----- | 0.0     | 21.4 | ----- | 0.0      | 24.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 38.0 | ----- | 0.0     | 53.1 | ----- | 0.0      | 58.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CHAFFEE GENERAL HOSPITAL

Medicare Provider Number: 260165

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 63.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 30.1 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 41.0 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 22.9 %  
Cerebrovascular degeneration..... 1.2 %  
Diabetes mellitus..... 2.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 75.8%  
State..... 21.0%  
Outside State..... 3.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.3 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 42  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI)..... 1.0008

### STAFFING:

Medical Residents/Interns..... 2  
Registered Nurses..... 7  
Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... No  
Hospice Care..... No  
Intensive Care Unit..... No  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHARLES E STILL HOSPITAL

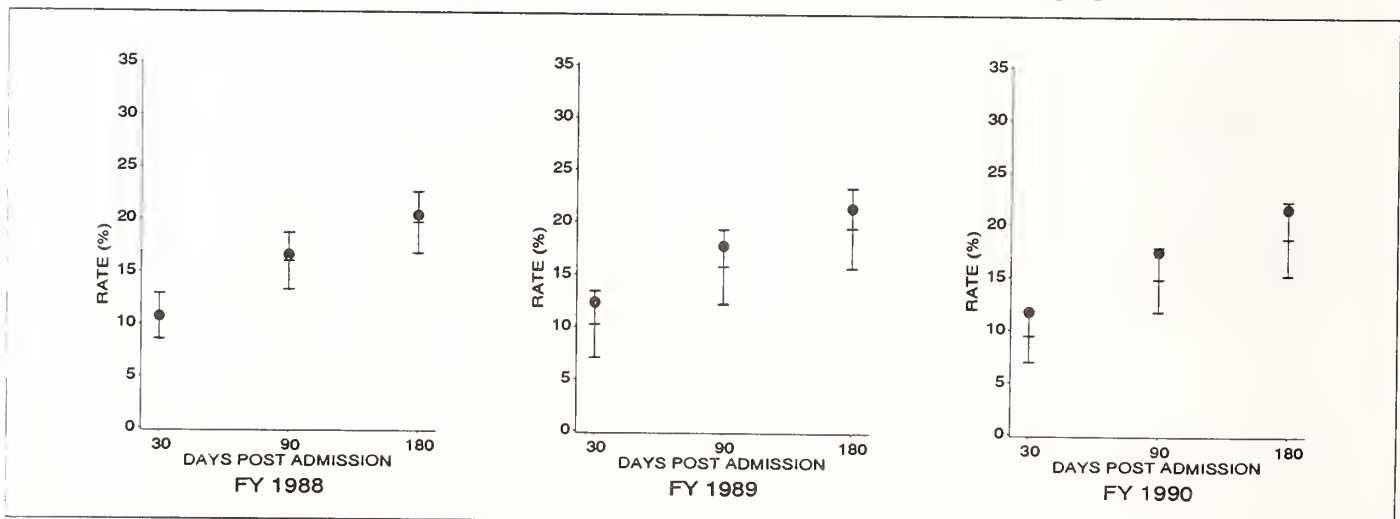
1125 S MADISON ST  
JEFFERSON CITY, MO 65101  
Medicare Provider Number: 260037

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 999             | 11.7                | 9.4  | 1.2   | 17.4    | 14.8 | 1.5   | 21.5     | 18.7 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 50.0                | 25.5 | ----- | 50.0    | 29.6 | ----- | 50.0     | 33.1 | ----- |
| Congestive Heart Failure.....              | 50              | 20.0                | 14.6 | ----- | 32.0    | 23.7 | ----- | 38.0     | 30.2 | ----- |
| Pneumonia/Influenza.....                   | 81              | 12.3                | 13.6 | 4.0   | 16.0    | 19.1 | 5.3   | 21.0     | 22.5 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 23              | 17.4                | 7.9  | ----- | 17.4    | 14.4 | ----- | 26.1     | 19.1 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 6.3                 | 1.6  | ----- | 6.3     | 3.7  | ----- | 6.3      | 6.4  | ----- |
| Stroke.....                                | 59              | 25.4                | 15.6 | 9.0   | 33.9    | 21.5 | 10.7  | 33.9     | 25.2 | 10.6  |
| Hip Fracture.....                          | 26              | 3.8                 | 6.4  | ----- | 11.5    | 11.6 | ----- | 19.2     | 15.6 | ----- |
| Sepsis.....                                | 11              | 18.2                | 30.1 | ----- | 18.2    | 35.6 | ----- | 36.4     | 40.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 9               | 0.0                 | 4.7  | ----- | 0.0     | 8.5  | ----- | 0.0      | 11.4 | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.0  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.7  | ----- |
| Hip Replacement/Reconstruction.....        | 10              | 0.0                 | 3.8  | ----- | 0.0     | 6.9  | ----- | 0.0      | 9.5  | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 0.0                 | 6.1  | ----- | 12.5    | 11.7 | ----- | 25.0     | 16.0 | ----- |
| Prostatectomy.....                         | 19              | 0.0                 | 1.0  | ----- | 5.3     | 2.3  | ----- | 5.3      | 3.9  | ----- |
| Cholecystectomy.....                       | 20              | 0.0                 | 2.2  | ----- | 5.0     | 4.0  | ----- | 5.0      | 5.5  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 1.3  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CHARLES E STILL HOSPITAL

Medicare Provider Number: 260037

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 56.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.0 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 3.9 %  
Admitted for emergency..... 12.0 %

### COMORBIDITIES:

Cancer..... 9.1 %  
Chronic cardiovascular disease..... 29.8 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 12.3 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 31.5%  
State..... 67.2%  
Outside State..... 1.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.7 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 169  
Occupancy Rate..... 50.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 44.4 %  
Case Mix Index (CMI)..... 1.1736

### STAFFING:

Total Number of Physicians..... 71  
Percent of Physicians Board  
Certified Specialists..... 59.2 %  
Medical Residents/Interns..... 17  
Registered Nurses..... 82  
Licensed Practical Nurses..... 67

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHRISTIAN HOSPITAL NORTHEAST

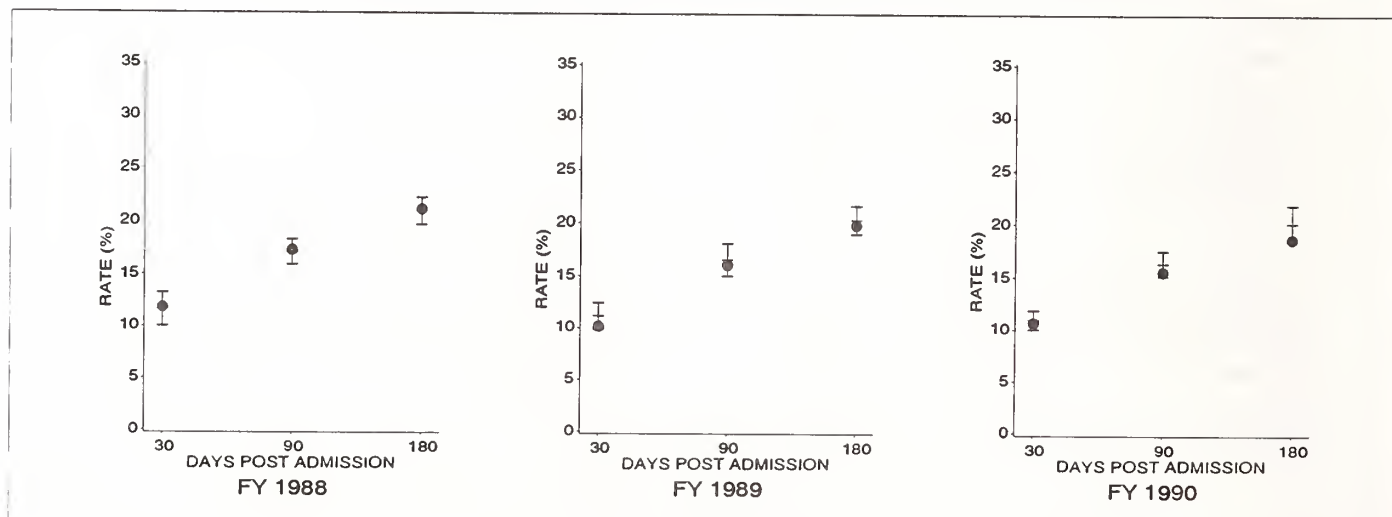
11133 DUNN ROAD  
SAINT LOUIS, MO 63136  
Medicare Provider Number: 260180

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4883               | 10.6                | 10.9 | 0.5   | 15.5    | 16.3 | 0.6   | 18.6     | 20.1 | 0.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 188                | 22.9                | 27.6 | 3.7   | 28.7    | 30.5 | 3.6   | 29.3     | 33.3 | 3.8   |
| Congestive Heart Failure.....              | 296                | 18.2                | 15.2 | 2.5   | 25.3    | 24.0 | 2.6   | 28.7     | 30.4 | 2.8   |
| Pneumonia/Influenza.....                   | 248                | 16.1                | 17.9 | 3.2   | 20.6    | 24.6 | 4.8   | 23.0     | 28.5 | 5.3   |
| Chronic Obstructive Pulmonary Disease..... | 74                 | 9.5                 | 8.8  | 3.9   | 14.9    | 14.9 | 4.2   | 14.9     | 19.7 | 5.7   |
| Transient Cerebral Ischemia.....           | 88                 | 0.0                 | 2.0  | 2.7   | 3.4     | 4.5  | 3.2   | 4.5      | 7.3  | 5.4   |
| Stroke.....                                | 189                | 21.7                | 22.3 | 3.1   | 25.9    | 28.7 | 4.0   | 27.5     | 32.4 | 4.5   |
| Hip Fracture.....                          | 167                | 4.8                 | 7.1  | 3.6   | 10.2    | 12.5 | 4.3   | 12.6     | 16.1 | 4.6   |
| Sepsis.....                                | 92                 | 26.1                | 26.5 | 4.7   | 31.5    | 35.1 | 5.2   | 38.0     | 40.0 | 5.2   |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 49                 | 2.0                 | 3.3  | ----- | 4.1     | 4.3  | ----- | 4.1      | 5.2  | ----- |
| Coronary Artery Bypass Graft.....          | 162                | 3.1                 | 7.0  | 2.9   | 6.2     | 9.7  | 3.4   | 6.8      | 10.8 | 3.4   |
| Initial Pacemaker Insertion.....           | 42                 | 0.0                 | 3.5  | ----- | 7.1     | 6.8  | ----- | 11.9     | 9.9  | ----- |
| Carotid Endarterectomy.....                | 31                 | 0.0                 | 1.9  | ----- | 6.5     | 3.3  | ----- | 6.5      | 4.7  | ----- |
| Hip Replacement/Reconstruction.....        | 84                 | 1.2                 | 3.9  | 2.6   | 3.6     | 7.0  | 3.7   | 4.8      | 9.4  | 4.3   |
| Open Reduction of Hip Fracture.....        | 104                | 5.8                 | 6.9  | 2.9   | 10.6    | 12.6 | 3.7   | 13.5     | 16.6 | 4.5   |
| Prostatectomy.....                         | 188                | 2.7                 | 1.2  | 1.4   | 4.3     | 2.7  | 2.3   | 8.0      | 4.5  | 3.4   |
| Cholecystectomy.....                       | 94                 | 5.3                 | 3.7  | 2.9   | 6.4     | 6.4  | 2.9   | 7.4      | 8.1  | 2.9   |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CHRISTIAN HOSPITAL NORTHEAST

Medicare Provider Number: 260180

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.3 years |
| Proportion female.....        | 57.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 19.2 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 21.6 % |
| Admitted for emergency.....                    | 73.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.2 %  |
| Chronic cardiovascular disease..... | 42.4 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 4.7 %  |
| Chronic pulmonary disease.....      | 18.8 % |
| Cerebrovascular degeneration.....   | 4.2 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 77.9%  |
| State .....         | 12.6%  |
| Outside State ..... | 9.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.2 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 634                 |
| Occupancy Rate .....       | 69.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 45.0 %              |
| Case Mix Index (CMI) ..... | 1.4841              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 388             |
| Percent of Physicians Board<br>Certified Specialists ..... | 72.7 %          |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation .....      | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHRISTIAN HOSPITAL NORTHWEST

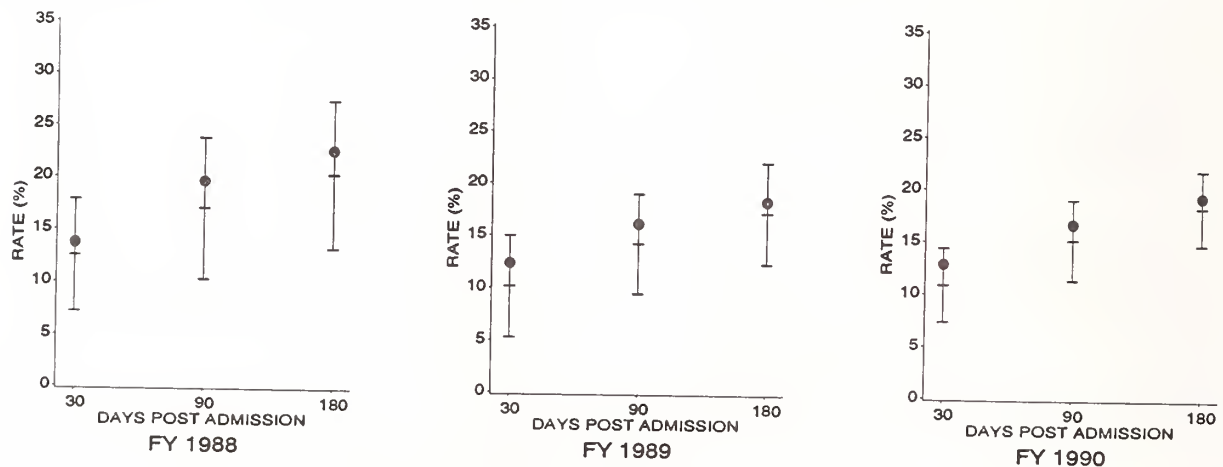
1225 GRAHAN ROAD  
FLORISSANT, MO 63031  
Medicare Provider Number: 260159

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 537             | 12.8                | 10.8 | 1.8   | 16.6    | 15.1 | 1.9   | 19.2     | 18.2 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 41              | 34.1                | 25.9 | ----- | 34.1    | 28.1 | ----- | 39.0     | 30.4 | ----- |
| Congestive Heart Failure.....              | 34              | 17.6                | 14.7 | ----- | 26.5    | 23.3 | ----- | 35.3     | 29.7 | ----- |
| Pneumonia/Influenza.....                   | 43              | 27.9                | 16.1 | ----- | 32.6    | 22.5 | ----- | 32.6     | 26.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 15              | 0.0                 | 11.0 | ----- | 13.3    | 18.8 | ----- | 20.0     | 24.7 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.7  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.4  | ----- |
| Stroke.....                                | 5               | 20.0                | 26.4 | ----- | 20.0    | 33.1 | ----- | 20.0     | 36.3 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 5.1  | ----- | 100.0   | 10.3 | ----- | 100.0    | 16.9 | ----- |
| Sepsis.....                                | 9               | 22.2                | 21.3 | ----- | 33.3    | 27.2 | ----- | 33.3     | 31.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 1               | 0.0                 | 19.6 | ----- | 0.0     | 33.0 | ----- | 0.0      | 37.7 | ----- |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 9               | 0.0                 | 1.4  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.1  | ----- |
| Hysterectomy.....                          | 38              | 0.0                 | 0.2  | ----- | 2.6     | 0.6  | ----- | 2.6      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CHRISTIAN HOSPITAL NORTHWEST

Medicare Provider Number: 260159

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.3 years  
Proportion female..... 60.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 13.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 13.6 %  
Admitted for emergency..... 84.5 %

### COMORBIDITIES:

Cancer..... 3.2 %  
Chronic cardiovascular disease..... 34.8 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 24.6 %  
Cerebrovascular degeneration..... 8.4 %  
Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 83.9%  
State..... 10.6%  
Outside State..... 5.5%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.0 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 253  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 1.1071

### STAFFING:

Medical Residents/Interns..... 22  
Registered Nurses..... 132  
Licensed Practical Nurses..... 2

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CITIZENS MEMORIAL HOSPITAL

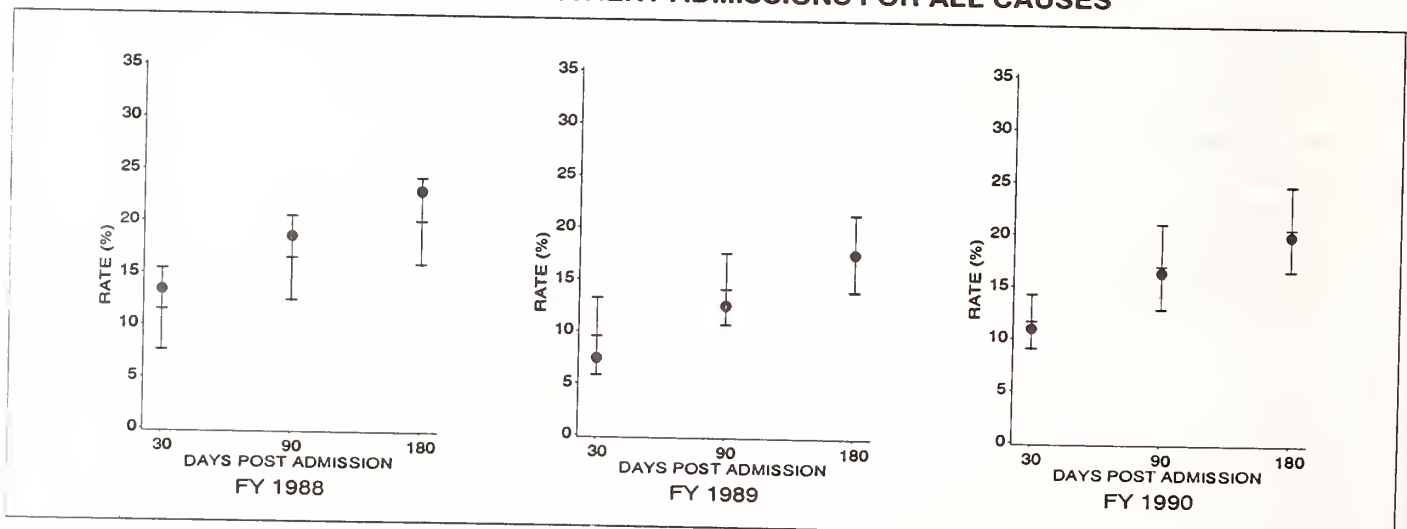
1500 N OAKLAND, BOX 67  
BOLIVAR, MO 65613  
Medicare Provider Number: 260195

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 734             | 10.9                | 11.6 | 1.3   | 16.3    | 16.9 | 2.1   | 19.9     | 20.6 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 31              | 25.8                | 31.3 | ----- | 29.0    | 34.3 | ----- | 32.3     | 37.2 | ----- |
| Congestive Heart Failure.....              | 39              | 12.8                | 16.8 | ----- | 23.1    | 26.1 | ----- | 30.8     | 32.3 | ----- |
| Pneumonia/Influenza.....                   | 86              | 14.0                | 17.3 | 7.5   | 19.8    | 23.7 | 6.9   | 25.6     | 28.0 | 7.0   |
| Chronic Obstructive Pulmonary Disease..... | 18              | 22.2                | 11.4 | ----- | 27.8    | 19.2 | ----- | 33.3     | 24.1 | ----- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.5  | ----- |
| Stroke.....                                | 36              | 22.2                | 22.3 | ----- | 33.3    | 29.9 | ----- | 36.1     | 34.5 | ----- |
| Hip Fracture.....                          | 20              | 10.0                | 10.4 | ----- | 15.0    | 17.9 | ----- | 20.0     | 22.8 | ----- |
| Sepsis.....                                | 20              | 25.0                | 26.7 | ----- | 35.0    | 33.6 | ----- | 35.0     | 38.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 7.5  | ----- | 0.0     | 11.0 | ----- | 0.0      | 13.1 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 9.2  | ----- | 11.1    | 17.4 | ----- | 11.1     | 23.3 | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 14.3                | 8.7  | ----- | 21.4    | 15.0 | ----- | 28.6     | 19.2 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 8               | 12.5                | 2.4  | ----- | 12.5    | 4.6  | ----- | 12.5     | 5.9  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CITIZENS MEMORIAL HOSPITAL

Medicare Provider Number: 260195

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 57.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.8 %  
Transferred from skilled nursing facility..... 9.4 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 56.0 %

### COMORBIDITIES:

Cancer..... 3.8 %  
Chronic cardiovascular disease..... 40.7 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 15.8 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 47.1 %  
State ..... 50.7 %  
Outside State ..... 2.2 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 70  
Occupancy Rate ..... 55.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 59.2 %  
Case Mix Index (CMI) ..... 1.1052

### STAFFING:

Total Number of Physicians..... 21  
Percent of Physicians Board  
Certified Specialists..... 38.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 57  
Licensed Practical Nurses ..... 25

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COLUMBIA REGIONAL HOSPITAL

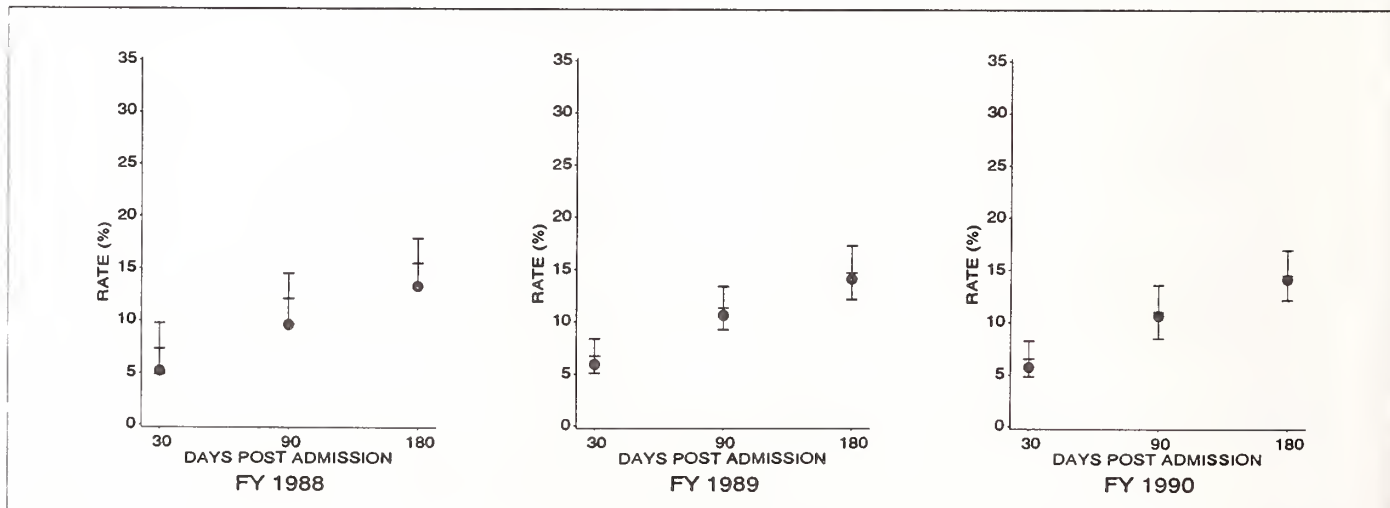
404 KEENE ST  
COLUMBIA, MO 65201  
Medicare Provider Number: 260178

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1823            | 5.7                 | 6.5  | 0.9   | 10.6    | 11.0 | 1.3   | 14.1     | 14.5 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 16.7                | 23.8 | ----- | 16.7    | 26.0 | ----- | 16.7     | 28.6 | ----- |
| Congestive Heart Failure.....              | 39              | 12.8                | 14.3 | ----- | 25.6    | 23.0 | ----- | 30.8     | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 58              | 19.0                | 17.3 | 5.4   | 25.9    | 24.8 | 7.2   | 32.8     | 29.4 | 7.5   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 11.8                | 5.9  | ----- | 23.5    | 10.7 | ----- | 29.4     | 14.5 | ----- |
| Transient Cerebral Ischemia.....           | 22              | 0.0                 | 1.0  | ----- | 4.5     | 2.4  | ----- | 4.5      | 3.9  | ----- |
| Stroke.....                                | 46              | 8.7                 | 13.7 | ----- | 17.4    | 20.0 | ----- | 21.7     | 23.7 | ----- |
| Hip Fracture.....                          | 77              | 5.2                 | 6.7  | 3.0   | 9.1     | 11.9 | 4.6   | 9.1      | 15.5 | 6.0   |
| Sepsis.....                                | 9               | 22.2                | 28.3 | ----- | 22.2    | 38.3 | ----- | 33.3     | 44.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11              | 0.0                 | 3.3  | ----- | 0.0     | 6.8  | ----- | 18.2     | 10.1 | ----- |
| Carotid Endarterectomy.....                | 14              | 0.0                 | 1.4  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.4  | ----- |
| Hip Replacement/Reconstruction.....        | 150             | 0.0                 | 2.1  | 1.6   | 1.3     | 3.8  | 2.2   | 2.7      | 5.2  | 2.5   |
| Open Reduction of Hip Fracture.....        | 37              | 10.8                | 6.7  | ----- | 18.9    | 12.3 | ----- | 18.9     | 16.4 | ----- |
| Prostatectomy.....                         | 84              | 1.2                 | 1.3  | 1.3   | 2.4     | 3.4  | 2.6   | 4.8      | 5.8  | 3.6   |
| Cholecystectomy.....                       | 20              | 0.0                 | 3.3  | ----- | 0.0     | 6.4  | ----- | 5.0      | 8.8  | ----- |
| Hysterectomy.....                          | 27              | 0.0                 | 0.7  | ----- | 3.7     | 1.6  | ----- | 3.7      | 2.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# COLUMBIA REGIONAL HOSPITAL

Medicare Provider Number: 260178

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years  
Proportion female..... 58.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 65.8 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 61.0 %  
Admitted for emergency..... 13.0 %

### COMORBIDITIES:

Cancer..... 14.6 %  
Chronic cardiovascular disease..... 20.3 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 11.7 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 23.1%  
State..... 75.0%  
Outside State..... 1.9%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.8 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 301  
Occupancy Rate..... 46.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges..... 51.0 %  
Case Mix Index (CMI)..... 1.4145

### STAFFING:

Total Number of Physicians..... 130  
Percent of Physicians Board  
Certified Specialists..... 86.9 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 189  
Licensed Practical Nurses..... 32

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COOPER COUNTY MEMORIAL HOSPITAL

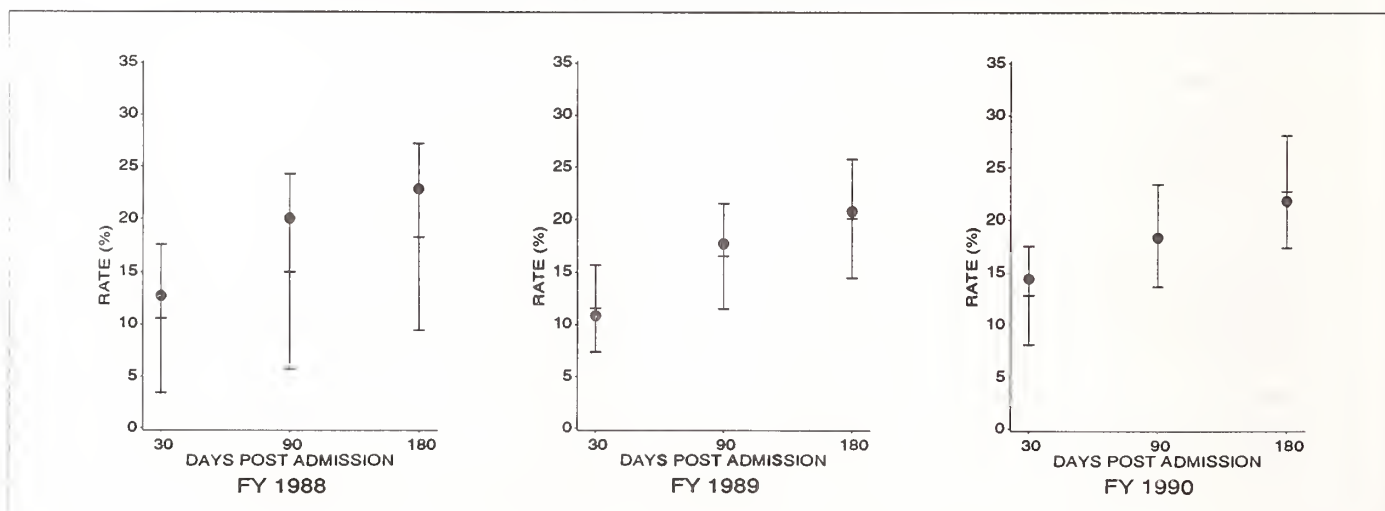
HIGHWAY B, BOX 88  
BOONVILLE, MO 65233  
Medicare Provider Number: 260004

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 257             | 14.4                | 12.8 | 2.4  | 18.3    | 18.5 | 2.4  | 21.8     | 22.7 | 2.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 4               | 50.0                | 29.3 | ---- | 50.0    | 31.5 | ---- | 50.0     | 34.2 | ---- |
| Congestive Heart Failure.....              | 21              | 28.6                | 13.7 | ---- | 33.3    | 21.8 | ---- | 42.9     | 28.2 | ---- |
| Pneumonia/Influenza.....                   | 25              | 16.0                | 17.7 | ---- | 16.0    | 23.4 | ---- | 16.0     | 27.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 0.0                 | 8.2  | ---- | 28.6    | 13.8 | ---- | 42.9     | 17.5 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 1.8  | ---- | 16.7    | 4.3  | ---- | 33.3     | 7.3  | ---- |
| Stroke.....                                | 24              | 20.8                | 24.4 | ---- | 20.8    | 31.0 | ---- | 25.0     | 35.3 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 2               | 50.0                | 53.6 | ---- | 50.0    | 60.2 | ---- | 50.0     | 64.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 8               | 0.0                 | 0.9  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.8  | ---- |
| Cholecystectomy.....                       | 5               | 20.0                | 1.2  | ---- | 20.0    | 2.1  | ---- | 20.0     | 2.8  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COOPER COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260004

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.1 years  
Proportion female..... 62.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 38.9 %  
Admitted for emergency..... 57.6 %

### COMORBIDITIES:

Cancer..... 10.1 %  
Chronic cardiovascular disease..... 47.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.3 %  
Chronic pulmonary disease..... 17.5 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 10.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.8%  
State ..... 22.4%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 49  
Occupancy Rate ..... 57.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 68.8 %  
Case Mix Index (CMI) ..... 1.0469

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists..... 60.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 19  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COX MEDICAL CENTER

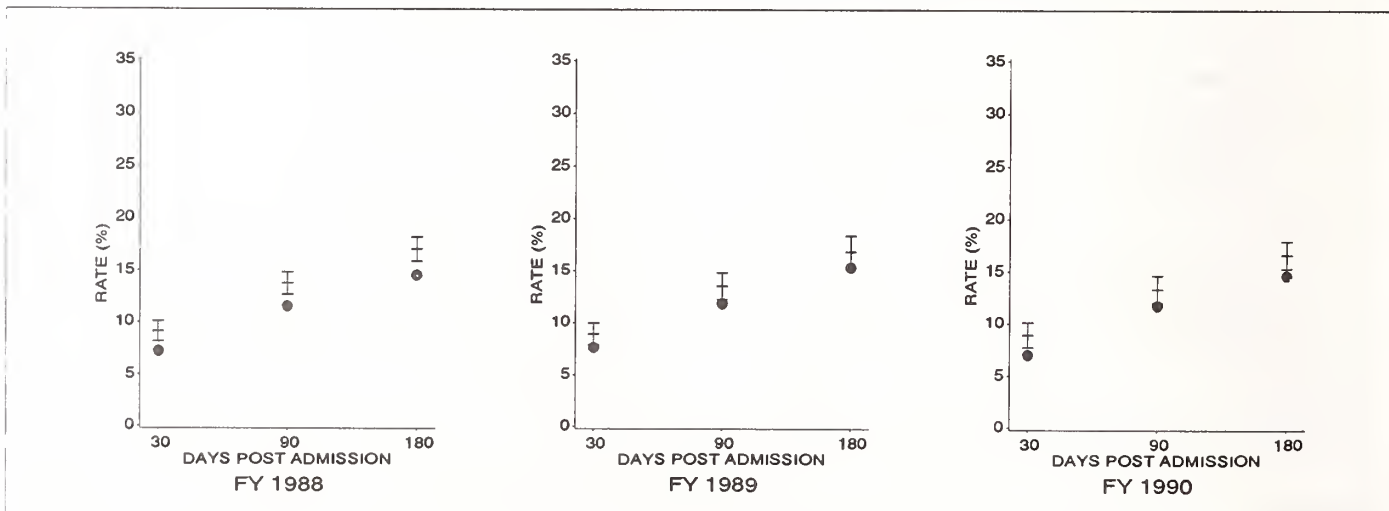
1432 N JEFFERSON ST  
SPRINGFIELD, MO 65802  
Medicare Provider Number: 260040

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 5350            | 7.0                 | 8.9  | 0.6  | 11.7    | 13.3 | 0.7  | 14.6     | 16.6 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 224             | 21.9                | 28.3 | 6.0  | 27.7    | 30.9 | 5.8  | 29.9     | 33.5 | 5.5  |
| Congestive Heart Failure.....              | 251             | 11.6                | 15.0 | 3.3  | 20.7    | 23.8 | 3.4  | 30.3     | 30.2 | 3.3  |
| Pneumonia/Influenza.....                   | 194             | 10.3                | 14.5 | 3.6  | 15.5    | 19.9 | 4.4  | 17.5     | 23.4 | 4.8  |
| Chronic Obstructive Pulmonary Disease..... | 43              | 9.3                 | 6.9  | ---- | 16.3    | 12.1 | ---- | 16.3     | 16.1 | ---- |
| Transient Cerebral Ischemia.....           | 72              | 1.4                 | 1.7  | 1.7  | 4.2     | 3.8  | 2.6  | 8.3      | 6.0  | 3.4  |
| Stroke.....                                | 160             | 15.0                | 19.9 | 5.8  | 21.9    | 25.5 | 6.4  | 23.7     | 29.1 | 7.5  |
| Hip Fracture.....                          | 160             | 8.1                 | 6.4  | 2.7  | 13.7    | 11.1 | 3.4  | 15.0     | 14.4 | 3.1  |
| Sepsis.....                                | 47              | 10.6                | 20.5 | ---- | 12.8    | 27.1 | ---- | 14.9     | 31.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 144             | 4.9                 | 4.0  | 2.2  | 6.9     | 5.1  | 3.0  | 8.3      | 6.0  | 3.0  |
| Coronary Artery Bypass Graft.....          | 104             | 8.7                 | 7.5  | 2.7  | 12.5    | 10.4 | 3.3  | 14.4     | 11.5 | 3.9  |
| Initial Pacemaker Insertion.....           | 69              | 1.4                 | 3.4  | 2.8  | 4.3     | 6.4  | 4.2  | 7.2      | 8.9  | 4.9  |
| Carotid Endarterectomy.....                | 49              | 2.0                 | 1.6  | ---- | 2.0     | 2.9  | ---- | 2.0      | 4.3  | ---- |
| Hip Replacement/Reconstruction.....        | 102             | 3.9                 | 3.7  | 2.8  | 7.8     | 6.8  | 3.2  | 8.8      | 9.2  | 3.6  |
| Open Reduction of Hip Fracture.....        | 61              | 9.8                 | 6.3  | 4.4  | 18.0    | 11.3 | 7.0  | 19.7     | 14.8 | 7.8  |
| Prostatectomy.....                         | 148             | 1.4                 | 1.6  | 1.4  | 4.1     | 3.7  | 2.7  | 6.1      | 6.1  | 3.1  |
| Cholecystectomy.....                       | 115             | 3.5                 | 3.4  | 2.1  | 5.2     | 6.2  | 2.9  | 6.1      | 8.1  | 3.2  |
| Hysterectomy.....                          | 71              | 0.0                 | 0.8  | 1.2  | 0.0     | 1.7  | 2.1  | 0.0      | 2.6  | 2.9  |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**COX MEDICAL CENTER**  
Medicare Provider Number: 260040

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.5 years  
Proportion female..... 53.7 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 53.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 44.7 %

**COMORBIDITIES:**

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 38.7 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 3.9 %  
Chronic pulmonary disease..... 16.2 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 7.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 46.8%  
State ..... 48.7%  
Outside State ..... 4.5%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 8.7 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 786  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 35.2 %  
Case Mix Index (CMI) ..... 1.4407

**STAFFING:**

Total Number of Physicians..... 343  
Percent of Physicians Board  
Certified Specialists..... 74.9 %  
Medical Residents/Interns ..... 14  
Registered Nurses..... 767  
Licensed Practical Nurses ..... 91

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DADE COUNTY MEMORIAL HOSPITAL

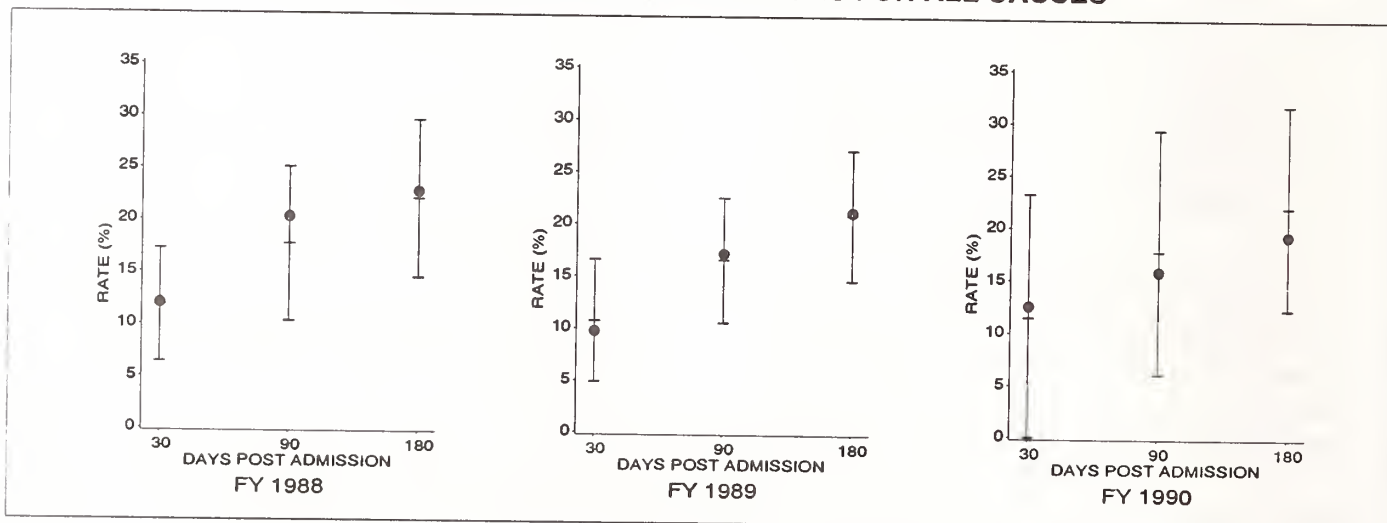
1005 S MAIN ST  
LOCKWOOD, MO 65682  
Medicare Provider Number: 260049

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 120                | 12.5                | 11.4 | 5.9  | 15.8    | 17.7 | 5.8  | 19.2     | 21.9 | 4.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 15.1 | ---- | 50.0    | 17.3 | ---- | 50.0     | 20.4 | ---- |
| Congestive Heart Failure.....              | 13                 | 30.8                | 15.7 | ---- | 30.8    | 25.3 | ---- | 38.5     | 31.3 | ---- |
| Pneumonia/Influenza.....                   | 13                 | 7.7                 | 16.6 | ---- | 15.4    | 23.1 | ---- | 23.1     | 26.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 2.1  | ---- | 0.0     | 4.3  | ---- | 0.0      | 6.6  | ---- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.4  | ---- |
| Stroke.....                                | 2                  | 0.0                 | 20.9 | ---- | 50.0    | 28.0 | ---- | 50.0     | 31.8 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1                  | 0.0                 | 35.6 | ---- | 0.0     | 41.4 | ---- | 0.0      | 47.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DADE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260049

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| Average age at admission.....                  | 80.4 years | Cancer.....                         | 2.5 %  |
| Proportion female.....                         | 70.0 %     | Chronic cardiovascular disease..... | 43.3 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 0.0 %  |
| Referred by personal or HMO physician.....     | 42.5 %     | Chronic renal disease.....          | 4.2 %  |
| Transferred from skilled nursing facility..... | 0.8 %      | Chronic pulmonary disease.....      | 15.0 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 13.3 % |
| Admitted for emergency.....                    | 14.2 %     | Diabetes mellitus.....              | 5.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

| ORIGIN OF MEDICARE PATIENT ADMISSION: |        | MEDICARE AVERAGE LENGTH OF STAY: |          |
|---------------------------------------|--------|----------------------------------|----------|
| County/City .....                     | 73.0%  | Hospital .....                   | 6.4 Days |
| State .....                           | 22.1%  | State .....                      | 8.4 Days |
| Outside State .....                   | 4.9%   | National .....                   | 8.6 Days |
| Total .....                           | 100.0% |                                  |          |

## HOSPITAL CHARACTERISTICS\*

|                                                             |                    |                                          |     |
|-------------------------------------------------------------|--------------------|------------------------------------------|-----|
| SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990 |                    |                                          |     |
| PROFILE:                                                    |                    | SPECIALTY SERVICES:                      |     |
| Total Beds .....                                            | 19                 | Burn Unit .....                          | No  |
| Occupancy Rate .....                                        | 28.0 %             | Cardiac Intensive Care .....             | No  |
| Ownership/Control.....                                      | District/Authority | Comprehensive Geriatric .....            | Yes |
| Medicare Discharges .....                                   | 75.3 %             | Hospice Care .....                       | Yes |
| Case Mix Index (CMI) .....                                  | 0.9634             | Medical/Surgical Intensive Care .....    | No  |
| STAFFING:                                                   |                    | Organ/Tissue Transplant .....            | No  |
| Total Number of Physicians.....                             | 4                  | Other Intensive Care .....               | No  |
| Percent of Physicians Board<br>Certified Specialists .....  | (Not Available)    | Trauma Center .....                      | No  |
| Medical Residents/Interns .....                             | 0                  | OTHER SPECIALTY/HOSPITAL-BASED SERVICES: |     |
| Registered Nurses.....                                      | 8                  | Alcohol/Drug .....                       | No  |
| Licensed Practical Nurses .....                             | 8                  | Rehabilitation.....                      | No  |
|                                                             |                    | Psychiatric .....                        | No  |
|                                                             |                    | Medicare Swing Beds .....                | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEACONESS HOSPITAL

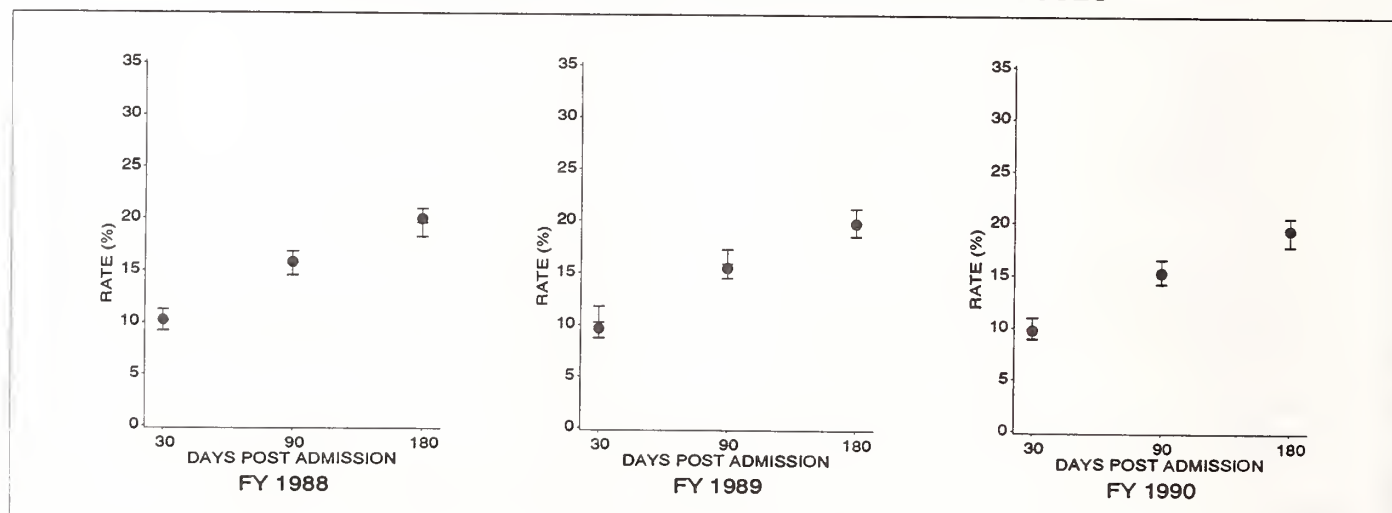
6150 OAKLAND AVE  
ST LOUIS, MO 63139  
Medicare Provider Number: 260021

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4506               | 9.7                 | 9.9  | 0.5   | 15.2    | 15.3 | 0.6   | 19.3     | 19.1 | 0.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 130                | 22.3                | 27.1 | 5.5   | 28.5    | 30.9 | 5.9   | 30.8     | 33.8 | 5.4   |
| Congestive Heart Failure.....              | 258                | 15.1                | 14.8 | 2.4   | 22.9    | 23.7 | 2.8   | 31.4     | 30.1 | 3.1   |
| Pneumonia/Influenza.....                   | 244                | 16.4                | 16.1 | 4.0   | 24.6    | 22.3 | 5.0   | 30.3     | 26.3 | 5.8   |
| Chronic Obstructive Pulmonary Disease..... | 80                 | 13.7                | 8.6  | 6.0   | 17.5    | 14.4 | 5.6   | 22.5     | 18.8 | 5.5   |
| Transient Cerebral Ischemia.....           | 77                 | 6.5                 | 1.6  | 3.3   | 10.4    | 3.7  | 4.6   | 11.7     | 6.1  | 4.8   |
| Stroke.....                                | 185                | 16.2                | 20.0 | 4.5   | 21.1    | 26.8 | 6.5   | 27.6     | 30.7 | 7.4   |
| Hip Fracture.....                          | 123                | 4.9                 | 6.6  | 3.1   | 8.9     | 11.9 | 4.8   | 11.4     | 15.7 | 6.0   |
| Sepsis.....                                | 105                | 16.2                | 23.3 | 8.2   | 24.8    | 32.0 | 9.7   | 30.5     | 36.7 | 10.1  |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 28                 | 0.0                 | 3.9  | ----- | 7.1     | 6.9  | ----- | 7.1      | 9.4  | ----- |
| Carotid Endarterectomy.....                | 6                  | 16.7                | 1.2  | ----- | 16.7    | 2.3  | ----- | 16.7     | 3.3  | ----- |
| Hip Replacement/Reconstruction.....        | 59                 | 3.4                 | 5.0  | 3.2   | 8.5     | 9.3  | 4.5   | 8.5      | 12.4 | 5.5   |
| Open Reduction of Hip Fracture.....        | 71                 | 4.2                 | 6.2  | 3.4   | 8.5     | 11.7 | 5.2   | 12.7     | 15.9 | 6.2   |
| Prostatectomy.....                         | 144                | 0.7                 | 1.0  | 1.2   | 4.2     | 2.3  | 1.6   | 6.3      | 3.8  | 2.6   |
| Cholecystectomy.....                       | 101                | 5.0                 | 3.2  | 2.3   | 7.9     | 6.2  | 3.0   | 9.9      | 8.5  | 3.6   |
| Hysterectomy.....                          | 28                 | 3.6                 | 1.1  | ----- | 3.6     | 2.4  | ----- | 3.6      | 3.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DEACONESS HOSPITAL

Medicare Provider Number: 260021

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.2 years |
| Proportion female.....        | 58.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 42.1 % |
| Transferred from skilled nursing facility..... | 0.9 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 51.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.2 %  |
| Chronic cardiovascular disease..... | 30.2 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 6.0 %  |
| Chronic pulmonary disease.....      | 9.8 %  |
| Cerebrovascular degeneration.....   | 5.1 %  |
| Diabetes mellitus.....              | 8.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 55.3%  |
| State .....         | 39.6%  |
| Outside State ..... | 5.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.5 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 527                 |
| Occupancy Rate .....       | 65.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 46.7 %              |
| Case Mix Index (CMI) ..... | 1.2663              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 327    |
| Percent of Physicians Board<br>Certified Specialists ..... | 87.8 % |
| Medical Residents/Interns .....                            | 67     |
| Registered Nurses.....                                     | 468    |
| Licensed Practical Nurses .....                            | 142    |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric.....          | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEPAUL HEALTH CENTER

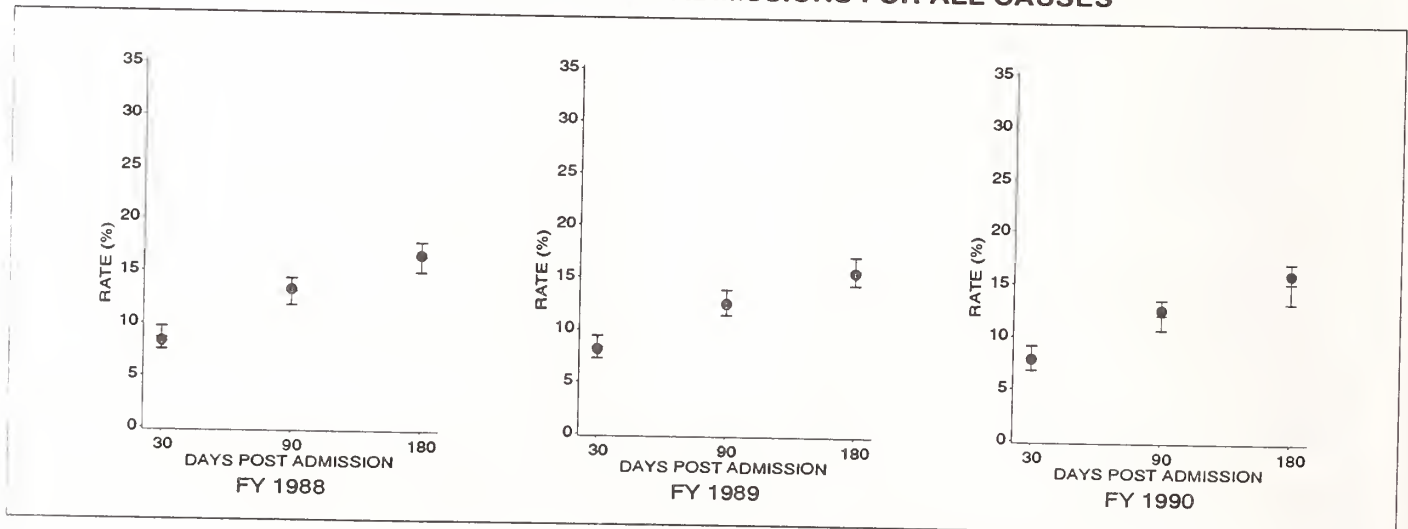
12303 DEPAUL DRIVE  
BRIDGETON, MO 63044  
Medicare Provider Number: 260104

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3356            | 7.8                 | 7.9  | 0.6   | 12.5    | 12.0 | 0.7   | 15.9     | 15.1 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 80              | 32.5                | 22.0 | 8.2   | 37.5    | 25.1 | 8.8   | 37.5     | 27.7 | 8.8   |
| Congestive Heart Failure.....              | 144             | 13.9                | 14.3 | 2.9   | 23.6    | 22.6 | 3.6   | 32.6     | 28.7 | 5.1   |
| Pneumonia/Influenza.....                   | 132             | 18.9                | 16.7 | 4.1   | 22.0    | 22.9 | 3.9   | 26.5     | 26.9 | 3.9   |
| Chronic Obstructive Pulmonary Disease..... | 92              | 0.0                 | 8.0  | 4.4   | 6.5     | 13.8 | 5.1   | 14.1     | 18.2 | 6.5   |
| Transient Cerebral Ischemia.....           | 56              | 1.8                 | 1.3  | 2.1   | 1.8     | 3.0  | 3.3   | 1.8      | 5.0  | 5.1   |
| Stroke.....                                | 90              | 12.2                | 19.5 | 5.7   | 16.7    | 26.1 | 7.0   | 18.9     | 29.7 | 7.1   |
| Hip Fracture.....                          | 77              | 9.1                 | 6.7  | 4.2   | 14.3    | 11.9 | 5.6   | 15.6     | 15.3 | 6.4   |
| Sepsis.....                                | 23              | 17.4                | 23.9 | ----- | 30.4    | 32.1 | ----- | 34.8     | 36.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 47              | 4.3                 | 2.3  | ----- | 6.4     | 3.1  | ----- | 6.4      | 3.8  | ----- |
| Coronary Artery Bypass Graft.....          | 110             | 12.7                | 6.3  | 4.0   | 15.5    | 9.1  | 4.2   | 16.4     | 10.3 | 4.2   |
| Initial Pacemaker Insertion.....           | 12              | 0.0                 | 2.5  | ----- | 0.0     | 5.6  | ----- | 0.0      | 8.6  | ----- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 1.5  | ----- | 0.0     | 2.9  | ----- | 0.0      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 133             | 3.0                 | 2.0  | 1.5   | 5.3     | 3.6  | 2.6   | 6.0      | 5.0  | 3.8   |
| Open Reduction of Hip Fracture.....        | 44              | 6.8                 | 5.6  | ----- | 13.6    | 10.2 | ----- | 13.6     | 13.6 | ----- |
| Prostatectomy.....                         | 109             | 0.9                 | 0.8  | 0.9   | 0.9     | 1.9  | 1.5   | 0.9      | 3.3  | 2.4   |
| Cholecystectomy.....                       | 64              | 0.0                 | 2.0  | 3.1   | 4.7     | 3.6  | 3.2   | 9.4      | 4.9  | 4.3   |
| Hysterectomy.....                          | 11              | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DEPAUL HEALTH CENTER

Medicare Provider Number: 260104

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.4 years  
Proportion female..... 58.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.8 %  
Transferred from skilled nursing facility..... 1.0 %  
Admitted for elective procedure..... 28.8 %  
Admitted for emergency..... 52.8 %

### COMORBIDITIES:

Cancer..... 6.7 %  
Chronic cardiovascular disease..... 31.5 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 13.9 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.4%  
State ..... 20.3%  
Outside State ..... 7.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.4 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 559  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 37.3 %  
Case Mix Index (CMI) ..... 1.5723

### STAFFING:

Total Number of Physicians..... 453  
Percent of Physicians Board  
Certified Specialists ..... 74.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 374  
Licensed Practical Nurses ..... 39

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation ..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEXTER MEMORIAL HOSPITAL

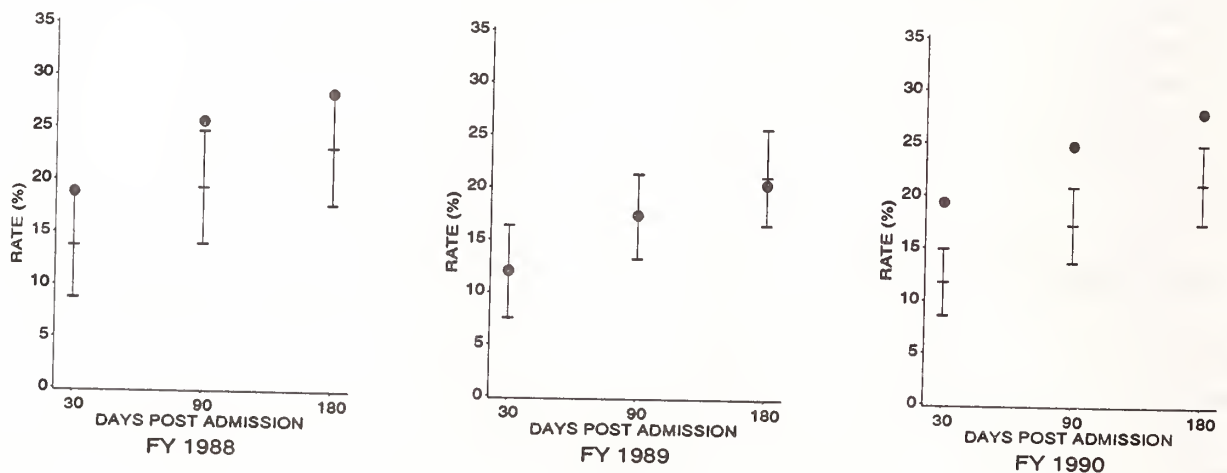
1200 ONE MILE ROAD, BOX 279  
DEXTER, MO 63841  
Medicare Provider Number: 260160

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 519             | 19.3                | 11.7 | 1.6   | 24.7    | 17.2 | 1.8   | 27.9     | 21.1 | 1.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 38.1                | 27.9 | ----- | 42.9    | 30.7 | ----- | 42.9     | 33.0 | ----- |
| Congestive Heart Failure.....              | 50              | 30.0                | 13.9 | ----- | 32.0    | 22.2 | ----- | 42.0     | 28.4 | ----- |
| Pneumonia/Influenza.....                   | 77              | 23.4                | 17.9 | 8.1   | 32.5    | 24.8 | 7.2   | 35.1     | 28.9 | 6.7   |
| Chronic Obstructive Pulmonary Disease..... | 9               | 11.1                | 7.4  | ----- | 11.1    | 13.0 | ----- | 11.1     | 17.3 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.4  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.7  | ----- |
| Stroke.....                                | 19              | 26.3                | 19.4 | ----- | 36.8    | 26.5 | ----- | 42.1     | 30.5 | ----- |
| Hip Fracture.....                          | 21              | 0.0                 | 4.0  | ----- | 9.5     | 7.1  | ----- | 9.5      | 9.8  | ----- |
| Sepsis.....                                | 2               | 50.0                | 11.3 | ----- | 50.0    | 14.4 | ----- | 50.0     | 18.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 5.3  | ----- | 0.0     | 9.6  | ----- | 0.0      | 13.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 5.0  | ----- | 11.1    | 8.6  | ----- | 11.1     | 11.8 | ----- |
| Open Reduction of Hip Fracture.....        | 11              | 0.0                 | 3.7  | ----- | 9.1     | 6.6  | ----- | 9.1      | 8.8  | ----- |
| Prostatectomy.....                         | 9               | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.5  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 2.5  | ----- | 0.0     | 5.7  | ----- | 0.0      | 8.5  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DEXTER MEMORIAL HOSPITAL

Medicare Provider Number: 260160

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.8 years |
| Proportion female.....        | 61.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.7 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 59.9 % |
| Admitted for emergency.....                    | 36.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.0 %  |
| Chronic cardiovascular disease..... | 40.3 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.9 %  |
| Chronic pulmonary disease.....      | 18.1 % |
| Cerebrovascular degeneration.....   | 5.2 %  |
| Diabetes mellitus.....              | 10.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 81.7%  |
| State .....         | 17.5%  |
| Outside State ..... | 0.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.7 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 50                  |
| Occupancy Rate .....       | 38.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 53.0 %              |
| Case Mix Index (CMI) ..... | 1.1570              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 26     |
| Percent of Physicians Board<br>Certified Specialists ..... | 88.5 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 33     |
| Licensed Practical Nurses .....                            | 21     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DOCTORS REGIONAL MEDICAL CENTER

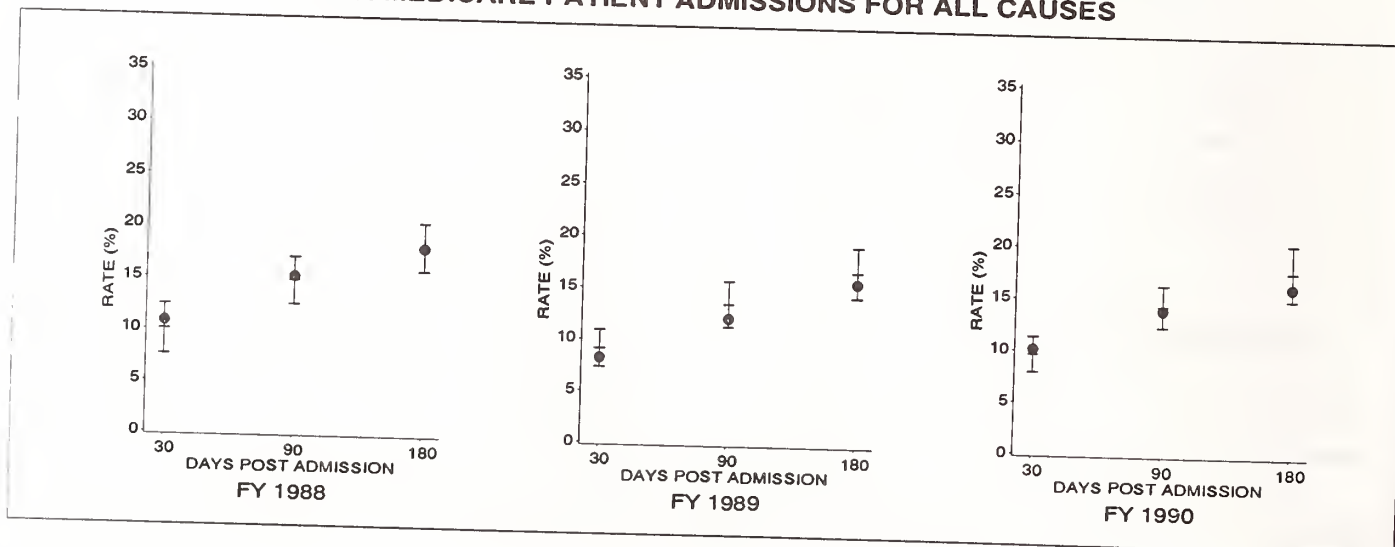
621 PINE BOULEVARD  
POPLAR BLUFF, MO 63901  
Medicare Provider Number: 260119

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1427               | 10.1                | 9.6  | 0.9   | 13.9    | 14.3 | 1.0   | 16.2     | 17.7 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 38                 | 28.9                | 29.5 | ----- | 36.8    | 32.1 | ----- | 39.5     | 35.2 | ----- |
| Congestive Heart Failure.....              | 76                 | 13.2                | 14.1 | 5.7   | 23.7    | 22.1 | 5.5   | 28.9     | 28.1 | 5.2   |
| Pneumonia/Influenza.....                   | 113                | 15.9                | 14.3 | 3.7   | 18.6    | 19.6 | 3.8   | 20.4     | 23.5 | 4.3   |
| Chronic Obstructive Pulmonary Disease..... | 22                 | 18.2                | 7.6  | ----- | 22.7    | 14.5 | ----- | 22.7     | 19.6 | ----- |
| Transient Cerebral Ischemia.....           | 18                 | 5.6                 | 1.8  | ----- | 11.1    | 4.0  | ----- | 11.1     | 6.5  | ----- |
| Stroke.....                                | 65                 | 21.5                | 19.9 | 6.6   | 26.2    | 26.1 | 5.5   | 33.8     | 30.0 | 6.6   |
| Hip Fracture.....                          | 53                 | 5.7                 | 6.7  | 4.2   | 5.7     | 11.4 | 6.2   | 7.5      | 14.7 | 7.0   |
| Sepsis.....                                | 8                  | 0.0                 | 25.0 | ----- | 0.0     | 32.5 | ----- | 12.5     | 39.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 10                 | 0.0                 | 2.2  | ----- | 0.0     | 5.0  | ----- | 0.0      | 7.7  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 31                 | 3.2                 | 6.3  | ----- | 3.2     | 10.8 | ----- | 3.2      | 13.8 | ----- |
| Open Reduction of Hip Fracture.....        | 15                 | 13.3                | 4.3  | ----- | 13.3    | 8.2  | ----- | 13.3     | 11.4 | ----- |
| Prostatectomy.....                         | 111                | 1.8                 | 1.3  | 1.2   | 2.7     | 2.9  | 1.6   | 2.7      | 4.9  | 2.7   |
| Cholecystectomy.....                       | 40                 | 5.0                 | 1.8  | ----- | 10.0    | 3.2  | ----- | 12.5     | 4.4  | ----- |
| Hysterectomy.....                          | 12                 | 0.0                 | 1.4  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DOCTORS REGIONAL MEDICAL CENTER

Medicare Provider Number: 260119

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
Proportion female..... 55.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.6 %  
Transferred from skilled nursing facility..... 4.0 %  
Admitted for elective procedure..... 1.6 %  
Admitted for emergency..... 27.9 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 32.0 %  
Chronic liver disease..... 1.5 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 14.8 %  
Cerebrovascular degeneration..... 2.1 %  
Diabetes mellitus..... 4.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 45.4%  
State ..... 50.3%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 170  
Occupancy Rate ..... 55.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 36.7 %  
Case Mix Index (CMI) ..... 1.1998

### STAFFING:

Total Number of Physicians..... 57  
Percent of Physicians Board  
Certified Specialists ..... 78.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 95  
Licensed Practical Nurses ..... 46

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ELLETT MEMORIAL HOSPITAL

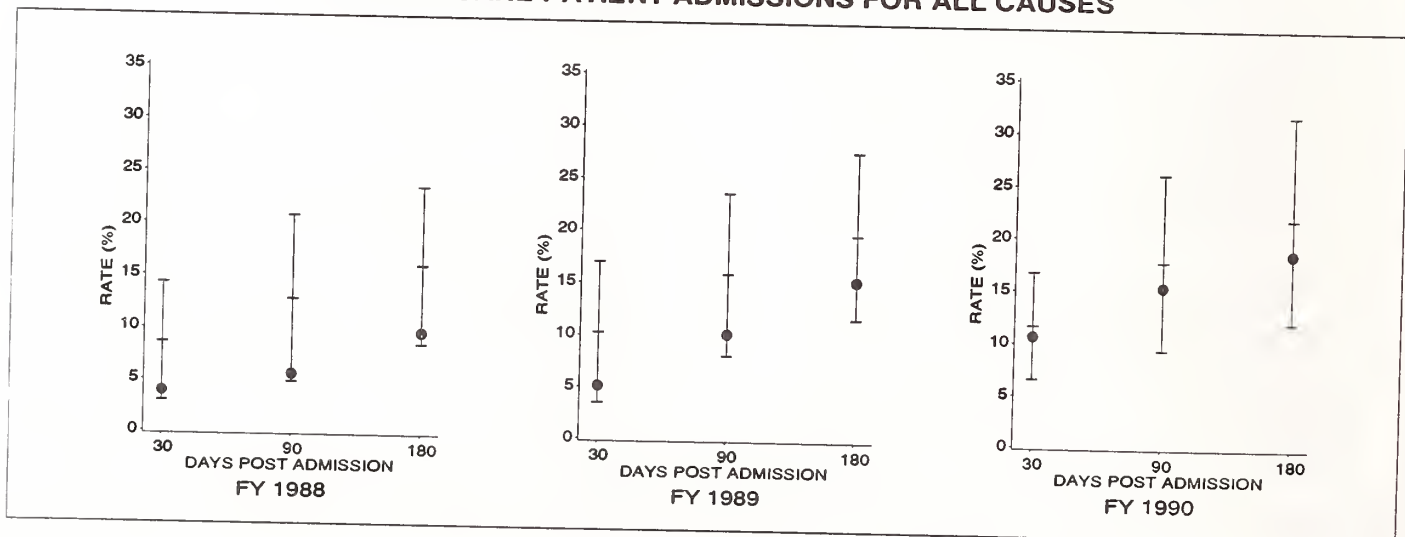
610 NORTH OHIO AVENUE  
APPLETON CITY, MO 64724  
Medicare Provider Number: 260148

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 189             | 10.6                | 11.6 | 2.5   | 15.3    | 17.7 | 4.2   | 18.5     | 21.8 | 4.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 50.0                | 42.0 | ----- | 50.0    | 51.8 | ----- | 50.0     | 56.6 | ----- |
| Congestive Heart Failure.....              | 16              | 18.8                | 17.0 | ----- | 31.3    | 25.7 | ----- | 31.3     | 31.9 | ----- |
| Pneumonia/Influenza.....                   | 27              | 14.8                | 12.7 | ----- | 14.8    | 16.7 | ----- | 14.8     | 19.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 4.9  | ----- | 0.0     | 7.8  | ----- | 0.0      | 10.4 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 7               | 42.9                | 20.8 | ----- | 42.9    | 28.7 | ----- | 42.9     | 33.3 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ELLETT MEMORIAL HOSPITAL

Medicare Provider Number: 260148

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.6 years |
| Proportion female.....        | 59.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 63.0 % |
| Transferred from skilled nursing facility..... | 3.2 %  |
| Admitted for elective procedure.....           | 0.5 %  |
| Admitted for emergency.....                    | 7.4 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.9 %  |
| Chronic cardiovascular disease..... | 59.3 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 3.2 %  |
| Chronic pulmonary disease.....      | 20.6 % |
| Cerebrovascular degeneration.....   | 5.3 %  |
| Diabetes mellitus.....              | 6.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 46.7%  |
| State .....         | 53.0%  |
| Outside State ..... | 0.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.4 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 25                 |
| Occupancy Rate .....       | 36.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 60.9 %             |
| Case Mix Index (CMI) ..... | 0.9524             |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 2               |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 5               |
| Licensed Practical Nurses.....                             | 7               |

### SPECIALTY SERVICES:

|                                          |     |
|------------------------------------------|-----|
| Burn Unit .....                          | No  |
| Cardiac Intensive Care .....             | No  |
| Comprehensive Geriatric .....            | No  |
| Hospice Care .....                       | No  |
| Medical/Surgical intensive Care .....    | No  |
| Organ/Tissue Transplant .....            | No  |
| Other Intensive Care .....               | No  |
| Trauma Center .....                      | No  |
| OTHER SPECIALTY/HOSPITAL-BASED SERVICES: |     |
| Alcohol/Drug .....                       | No  |
| Rehabilitation.....                      | No  |
| Psychiatric .....                        | No  |
| Medicare Swing Beds .....                | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# EXCELSIOR SPRINGS MEDICAL CENTER

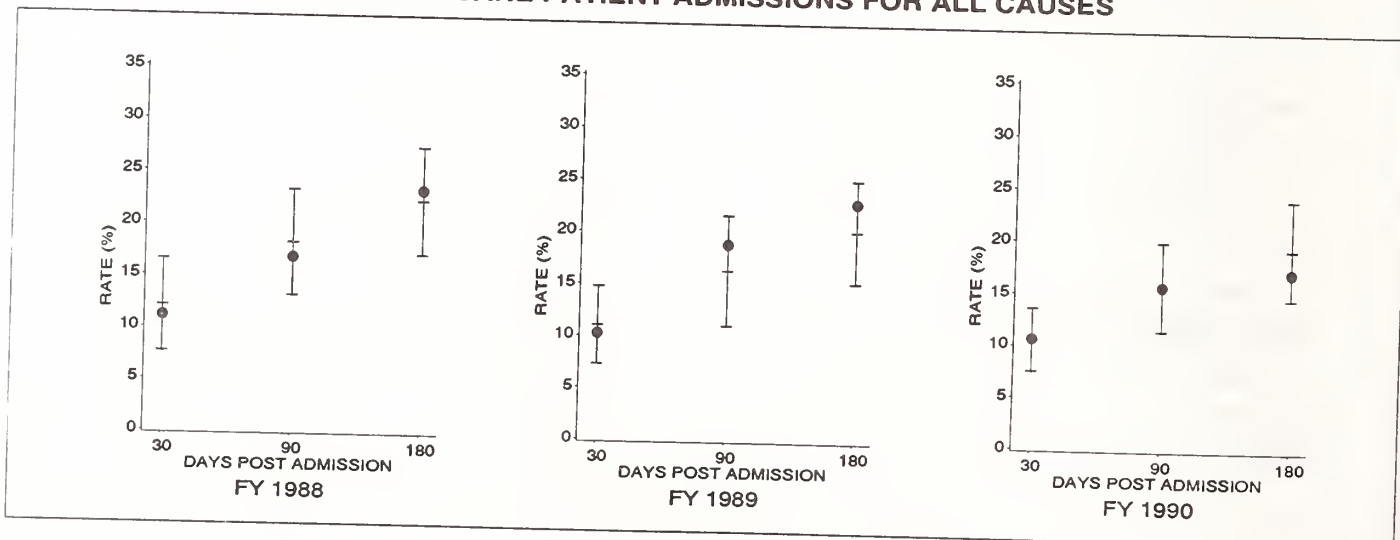
1700 RAINBOW BLVD, BOX 398  
EXCELSIOR SPRINGS, MO 64024  
Medicare Provider Number: 260029

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 417             | 10.6                | 10.5 | 1.5   | 15.6    | 15.6 | 2.1   | 17.0     | 19.2 | 2.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 14              | 14.3                | 20.5 | ----- | 21.4    | 23.9 | ----- | 21.4     | 26.6 | ----- |
| Congestive Heart Failure.....              | 21              | 19.0                | 14.9 | ----- | 33.3    | 23.5 | ----- | 33.3     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 58              | 15.5                | 14.3 | 6.1   | 27.6    | 20.2 | 9.9   | 32.8     | 24.1 | 10.4  |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 6.5  | ----- | 14.3    | 11.0 | ----- | 14.3     | 14.4 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.4  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.8  | ----- |
| Stroke.....                                | 12              | 33.3                | 29.8 | ----- | 41.7    | 36.8 | ----- | 41.7     | 40.3 | ----- |
| Hip Fracture.....                          | 19              | 10.5                | 7.6  | ----- | 10.5    | 13.2 | ----- | 10.5     | 17.2 | ----- |
| Sepsis.....                                | 3               | 0.0                 | 29.4 | ----- | 33.3    | 47.2 | ----- | 33.3     | 55.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 8               | 12.5                | 4.5  | ----- | 12.5    | 8.0  | ----- | 12.5     | 10.9 | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 6.9  | ----- | 0.0     | 13.2 | ----- | 0.0      | 17.6 | ----- |
| Prostatectomy.....                         | 6               | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 4.0  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 3.4  | ----- | 20.0    | 7.2  | ----- | 20.0     | 10.2 | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# EXCELSIOR SPRINGS MEDICAL CENTER

Medicare Provider Number: 260029

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.0 years |
| Proportion female.....        | 65.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 39.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 60.0 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.3 %  |
| Chronic cardiovascular disease..... | 36.5 % |
| Chronic liver disease.....          | 1.4 %  |
| Chronic renal disease.....          | 4.1 %  |
| Chronic pulmonary disease.....      | 20.4 % |
| Cerebrovascular degeneration.....   | 5.8 %  |
| Diabetes mellitus.....              | 3.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 69.4%  |
| State .....         | 28.4%  |
| Outside State ..... | 2.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.6 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 92               |
| Occupancy Rate .....       | 82.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 43.7 %           |
| Case Mix Index (CMI) ..... | 1.0723           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 50     |
| Percent of Physicians Board<br>Certified Specialists ..... | 76.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 38     |
| Licensed Practical Nurses .....                            | 16     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRFAX COMMUNITY HOSPITAL

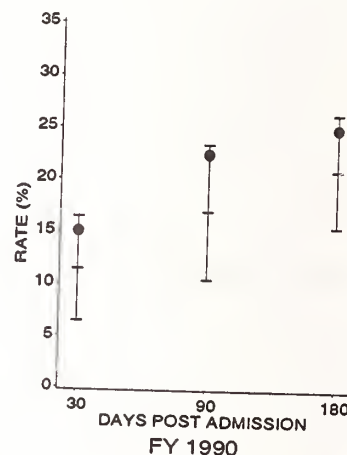
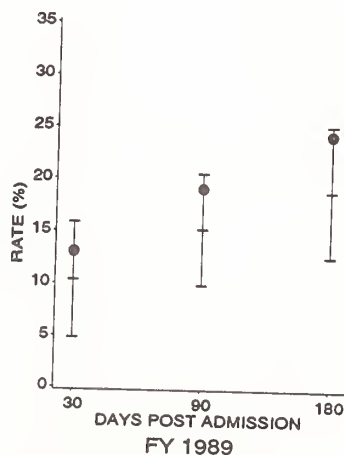
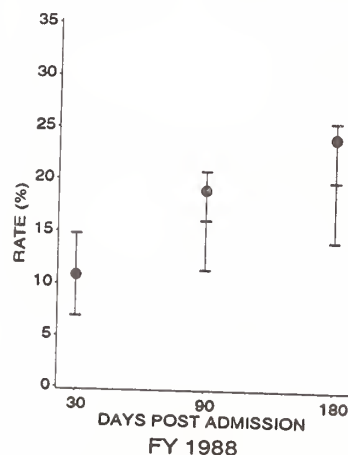
HWY 59  
FAIRFAX, MO 64446  
Medicare Provider Number: 260066

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 353             | 15.0                | 11.4 | 2.5   | 22.4    | 16.9 | 3.2   | 24.9     | 20.9 | 2.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16              | 43.8                | 34.8 | ----- | 50.0    | 38.2 | ----- | 50.0     | 42.2 | ----- |
| Congestive Heart Failure.....              | 26              | 19.2                | 15.3 | ----- | 30.8    | 24.0 | ----- | 30.8     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 52              | 21.2                | 15.9 | 7.2   | 25.0    | 22.4 | 6.2   | 26.9     | 26.3 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 6               | 16.7                | 6.8  | ----- | 33.3    | 12.5 | ----- | 33.3     | 16.8 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.7  | ----- | 50.0    | 3.9  | ----- | 50.0     | 6.3  | ----- |
| Stroke.....                                | 30              | 13.3                | 17.7 | ----- | 26.7    | 24.8 | ----- | 30.0     | 29.3 | ----- |
| Hip Fracture.....                          | 4               | 0.0                 | 6.7  | ----- | 0.0     | 11.5 | ----- | 0.0      | 14.8 | ----- |
| Sepsis.....                                | 4               | 25.0                | 16.2 | ----- | 25.0    | 21.1 | ----- | 25.0     | 26.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 6.1  | ----- | 0.0     | 12.7 | ----- | 0.0      | 17.6 | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 5.3  | ----- | 0.0     | 8.9  | ----- | 0.0      | 12.8 | ----- |
| Prostatectomy.....                         | 12              | 0.0                 | 1.6  | ----- | 0.0     | 4.1  | ----- | 8.3      | 7.2  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# FAIRFAX COMMUNITY HOSPITAL

Medicare Provider Number: 260066

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 79.1 years |
| Proportion female.....        | 61.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 72.0 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 6.8 %  |
| Admitted for emergency.....                    | 4.2 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.8 %  |
| Chronic cardiovascular disease..... | 34.6 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 1.7 %  |
| Chronic pulmonary disease.....      | 18.4 % |
| Cerebrovascular degeneration.....   | 4.0 %  |
| Diabetes mellitus.....              | 6.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 51.9%  |
| State .....         | 44.7%  |
| Outside State ..... | 3.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.9 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 49                  |
| Occupancy Rate .....       | 57.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 60.7 %              |
| Case Mix Index (CMI) ..... | 0.9916              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 13     |
| Percent of Physicians Board<br>Certified Specialists ..... | 92.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 21     |
| Licensed Practical Nurses .....                            | 10     |

### SPECIALTY SERVICES:

|                                          |     |
|------------------------------------------|-----|
| Burn Unit .....                          | No  |
| Cardiac Intensive Care .....             | Yes |
| Comprehensive Geriatric .....            | No  |
| Hospice Care .....                       | No  |
| Medical/Surgical Intensive Care.....     | No  |
| Organ/Tissue Transplant .....            | No  |
| Other Intensive Care .....               | No  |
| Trauma Center .....                      | No  |
| OTHER SPECIALTY/HOSPITAL-BASED SERVICES: |     |
| Alcohol/Drug .....                       | No  |
| Rehabilitation.....                      | No  |
| Psychiatric .....                        | No  |
| Medicare Swing Beds .....                | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

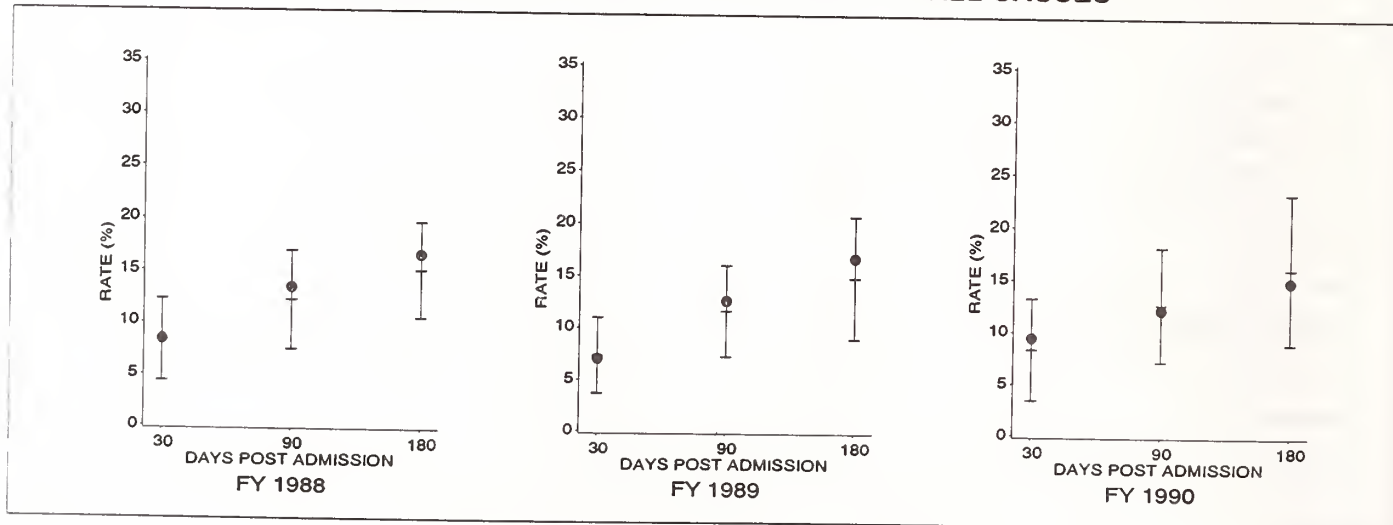
**FAITH HOSPITAL**  
12634 OLIVE ST RD  
ST LOUIS, MO 63141  
Medicare Provider Number: 260162

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 149                | 9.4                 | 8.3  | 2.4  | 12.1    | 12.6 | 2.7  | 14.8     | 16.0 | 3.6  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 4                  | 50.0                | 28.4 | ---- | 50.0    | 31.9 | ---- | 50.0     | 35.5 | ---- |
| Congestive Heart Failure.....              | 11                 | 0.0                 | 11.5 | ---- | 0.0     | 19.4 | ---- | 18.2     | 25.4 | ---- |
| Pneumonia/Influenza.....                   | 16                 | 6.3                 | 17.0 | ---- | 12.5    | 23.2 | ---- | 12.5     | 27.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 3.3  | ---- | 0.0     | 6.8  | ---- | 0.0      | 9.9  | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.8  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.5  | ---- |
| Stroke.....                                | 1                  | 0.0                 | 18.3 | ---- | 0.0     | 23.0 | ---- | 0.0      | 27.0 | ---- |
| Hip Fracture.....                          | 4                  | 0.0                 | 6.0  | ---- | 0.0     | 11.0 | ---- | 0.0      | 14.2 | ---- |
| Sepsis.....                                | 2                  | 50.0                | 44.5 | ---- | 50.0    | 47.6 | ---- | 50.0     | 50.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 4.4  | ---- | 0.0     | 8.2  | ---- | 0.0      | 10.8 | ---- |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 2                  | 0.0                 | 1.6  | ---- | 0.0     | 4.0  | ---- | 50.0     | 6.3  | ---- |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**FAITH HOSPITAL**  
Medicare Provider Number: 260162

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.4 years  
Proportion female..... 61.1 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 55.0 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 51.7 %  
Admitted for emergency..... 47.0 %

**COMORBIDITIES:**

Cancer..... 6.7 %  
Chronic cardiovascular disease..... 26.8 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 11.4 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 4.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 75.4%  
State ..... 19.7%  
Outside State ..... 4.9%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 40  
Occupancy Rate ..... 15.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 55.1 %  
Case Mix Index (CMI) ..... 0.9975

**STAFFING:**

Total Number of Physicians..... 125  
Percent of Physicians Board  
Certified Specialists..... 74.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 18  
Licensed Practical Nurses ..... 7

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FARMINGTON REGIONAL MEDICAL CENTER

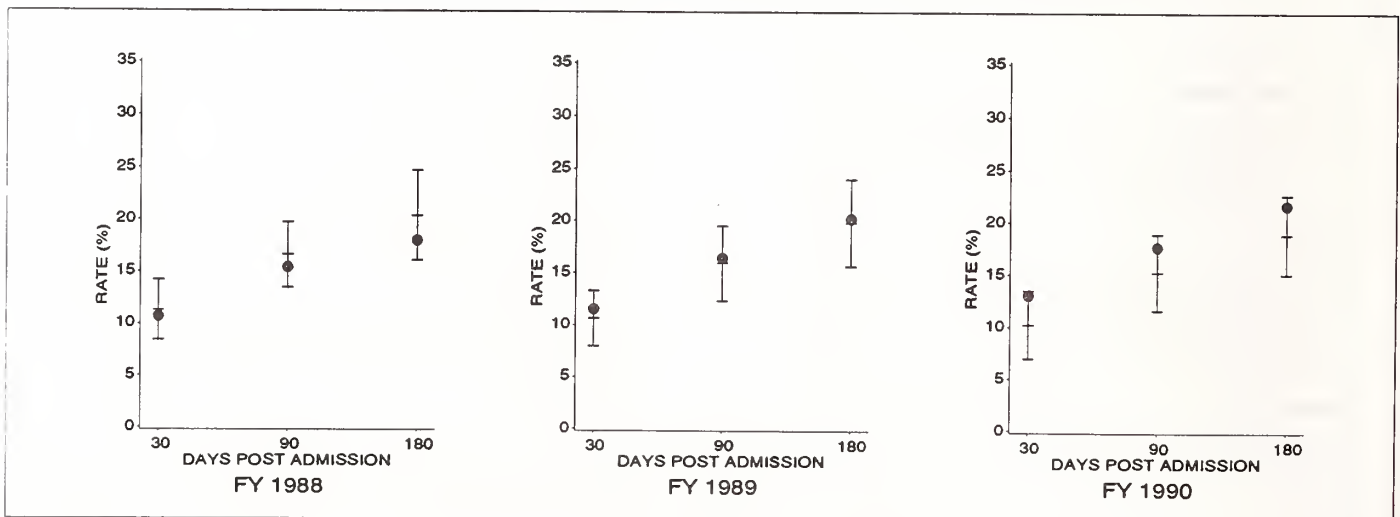
1101 W LIBERTY  
FARMINGTON, MO 63640  
Medicare Provider Number: 260163

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 754             | 13.0                | 10.2 | 1.6  | 17.6    | 15.2 | 1.8  | 21.6     | 18.8 | 1.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 27              | 22.2                | 21.9 | ---- | 25.9    | 24.7 | ---- | 25.9     | 27.4 | ---- |
| Congestive Heart Failure.....              | 29              | 17.2                | 14.9 | ---- | 20.7    | 23.4 | ---- | 31.0     | 29.6 | ---- |
| Pneumonia/Influenza.....                   | 97              | 14.4                | 14.5 | 4.0  | 21.6    | 20.0 | 7.1  | 24.7     | 23.7 | 7.9  |
| Chronic Obstructive Pulmonary Disease..... | 13              | 7.7                 | 7.9  | ---- | 15.4    | 14.0 | ---- | 15.4     | 19.1 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.2  | ---- | 0.0     | 3.3  | ---- | 0.0      | 6.1  | ---- |
| Stroke.....                                | 41              | 19.5                | 19.8 | ---- | 22.0    | 27.0 | ---- | 29.3     | 30.7 | ---- |
| Hip Fracture.....                          | 20              | 0.0                 | 5.8  | ---- | 0.0     | 10.6 | ---- | 0.0      | 14.3 | ---- |
| Sepsis.....                                | 11              | 27.3                | 23.1 | ---- | 45.5    | 31.2 | ---- | 54.5     | 35.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 3.6  | ---- | 20.0    | 5.7  | ---- | 20.0     | 7.4  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 13              | 0.0                 | 5.6  | ---- | 0.0     | 10.9 | ---- | 0.0      | 15.4 | ---- |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 4.9  | ---- | 0.0     | 8.4  | ---- | 0.0      | 11.0 | ---- |
| Prostatectomy.....                         | 14              | 0.0                 | 0.5  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.4  | ---- |
| Cholecystectomy.....                       | 24              | 0.0                 | 2.5  | ---- | 0.0     | 5.0  | ---- | 0.0      | 7.0  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# FARMINGTON REGIONAL MEDICAL CENTER

Medicare Provider Number: 260163

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 59.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.4 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 69.7 %  
Admitted for emergency..... 0.5 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 42.1 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 15.5 %  
Cerebrovascular degeneration..... 8.9 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.6%  
State ..... 19.4%  
Outside State ..... 1.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.7 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 78  
Occupancy Rate ..... 44.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 59.7 %  
Case Mix Index (CMI) ..... 1.2139

### STAFFING:

Total Number of Physicians..... 28  
Percent of Physicians Board  
Certified Specialists ..... 46.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 55  
Licensed Practical Nurses ..... 34

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FISCHEL ELLIS STATE CANCER HOSPITAL

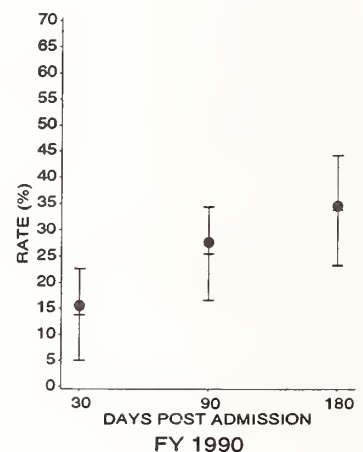
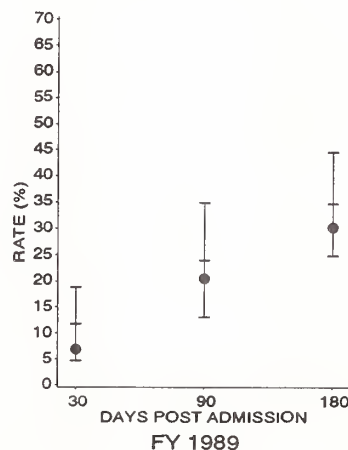
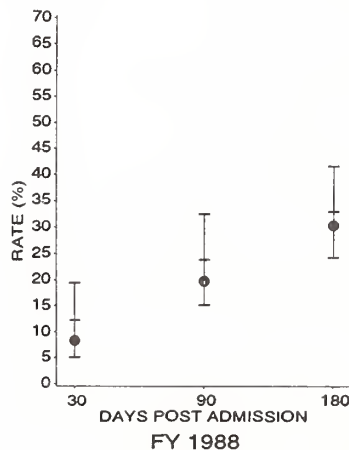
115 BUSINESS LOOP 70 WEST  
COLUMBIA, MO 65201  
Medicare Provider Number: 260146

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 116                | 15.5                | 13.8 | 4.4   | 27.6    | 25.4 | 4.4   | 34.5     | 33.7 | 5.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 1                  | 0.0                 | 18.8 | ----- | 0.0     | 36.9 | ----- | 0.0      | 48.5 | ----- |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 8.6  | ----- | 100.0   | 18.0 | ----- | 100.0    | 25.0 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 100.0               | 18.4 | ----- | 100.0   | 21.8 | ----- | 100.0    | 25.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.1  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FISCHEL ELLIS STATE CANCER HOSPITAL

Medicare Provider Number: 260146

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 69.0 years  
Proportion female..... 53.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 6.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 52.6 %  
Admitted for emergency..... 9.5 %

### COMORBIDITIES:

Cancer..... 56.9 %  
Chronic cardiovascular disease..... 17.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 7.8 %  
Cerebrovascular degeneration..... 0.9 %  
Diabetes mellitus..... 3.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 5.7%  
State ..... 92.8%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 66  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... State Government  
Medicare Discharges ..... 30.5 %  
Case Mix Index (CMI) ..... 1.1893

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 35  
Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

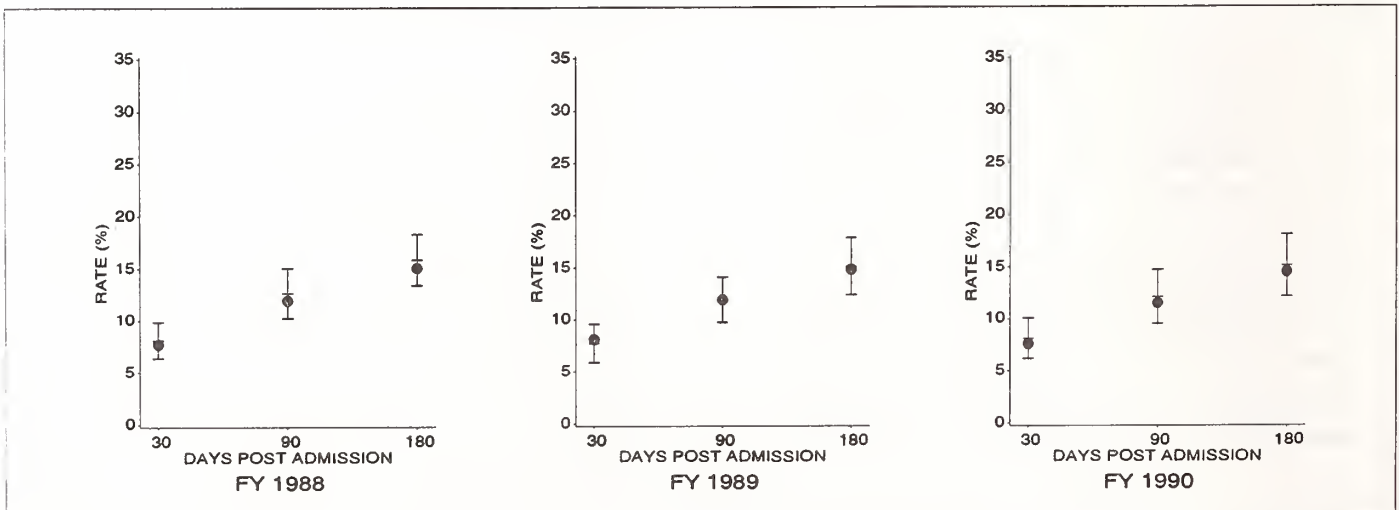
**FREEMAN HOSPITAL**  
1102 W 32ND ST  
JOPLIN, MO 64801  
Medicare Provider Number: 260007

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 959                | 7.6                 | 8.1  | 1.0  | 11.5    | 12.1 | 1.3  | 14.5     | 15.1 | 1.5  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 22                 | 22.7                | 26.9 | ---- | 27.3    | 30.3 | ---- | 31.8     | 33.3 | ---- |
| Congestive Heart Failure.....              | 39                 | 23.1                | 12.1 | ---- | 30.8    | 19.1 | ---- | 30.8     | 25.0 | ---- |
| Pneumonia/Influenza.....                   | 51                 | 13.7                | 15.5 | 5.3  | 17.6    | 21.0 | 6.3  | 25.5     | 24.6 | 7.2  |
| Chronic Obstructive Pulmonary Disease..... | 12                 | 0.0                 | 6.9  | ---- | 8.3     | 11.8 | ---- | 16.7     | 15.8 | ---- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 3.0  | ---- | 14.3    | 6.7  | ---- | 14.3     | 11.3 | ---- |
| Stroke.....                                | 33                 | 21.2                | 18.4 | ---- | 24.2    | 23.5 | ---- | 24.2     | 26.7 | ---- |
| Hip Fracture.....                          | 33                 | 0.0                 | 6.0  | ---- | 9.1     | 10.7 | ---- | 12.1     | 14.0 | ---- |
| Sepsis.....                                | 13                 | 15.4                | 32.4 | ---- | 23.1    | 38.5 | ---- | 23.1     | 43.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7                  | 0.0                 | 5.0  | ---- | 14.3    | 8.5  | ---- | 28.6     | 11.3 | ---- |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 3.3  | ---- | 0.0     | 5.5  | ---- | 0.0      | 7.3  | ---- |
| Hip Replacement/Reconstruction.....        | 19                 | 0.0                 | 5.1  | ---- | 15.8    | 9.4  | ---- | 15.8     | 12.4 | ---- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 4.0  | ---- | 0.0     | 7.4  | ---- | 0.0      | 10.0 | ---- |
| Prostatectomy.....                         | 55                 | 1.8                 | 1.0  | 2.3  | 3.6     | 2.2  | 3.3  | 3.6      | 3.7  | 4.3  |
| Cholecystectomy.....                       | 29                 | 0.0                 | 1.3  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.3  | ---- |
| Hysterectomy.....                          | 13                 | 0.0                 | 0.9  | ---- | 7.7     | 2.1  | ---- | 7.7      | 3.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**FREEMAN HOSPITAL**  
Medicare Provider Number: 260007

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.9 years  
Proportion female..... 56.5 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 50.7 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 0.5 %  
Admitted for emergency..... 50.6 %

**COMORBIDITIES:**

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 25.7 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 12.2 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 5.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 12.9%  
State ..... 68.5%  
Outside State ..... 18.6%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 8.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 168  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 22.0 %  
Case Mix Index (CMI) ..... 1.1918

**STAFFING:**

Total Number of Physicians..... 138  
Percent of Physicians Board  
Certified Specialists..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 178  
Licensed Practical Nurses ..... 20

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GENTRY COUNTY MEMORIAL HOSPITAL

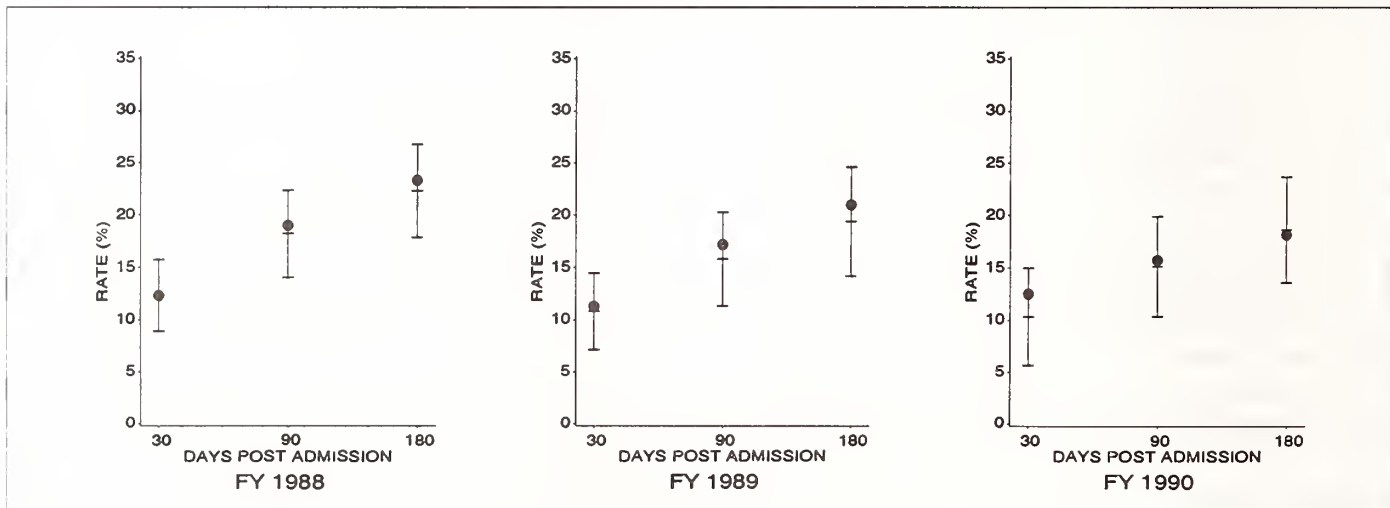
COLLEGE & CLARK STS  
ALBANY, MO 64402  
Medicare Provider Number: 260086

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 287             | 12.5                | 10.3 | 2.3   | 15.7    | 15.1 | 2.4   | 18.1     | 18.6 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 47.6                | 31.2 | ----- | 47.6    | 34.9 | ----- | 52.4     | 38.1 | ----- |
| Congestive Heart Failure.....              | 14              | 14.3                | 15.2 | ----- | 21.4    | 24.6 | ----- | 21.4     | 30.9 | ----- |
| Pneumonia/Influenza.....                   | 18              | 0.0                 | 12.5 | ----- | 0.0     | 17.1 | ----- | 0.0      | 20.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 6.2  | ----- | 0.0     | 10.4 | ----- | 9.1      | 14.1 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.5  | ----- | 25.0    | 3.6  | ----- | 25.0     | 6.1  | ----- |
| Stroke.....                                | 11              | 18.2                | 17.1 | ----- | 18.2    | 22.6 | ----- | 18.2     | 26.0 | ----- |
| Hip Fracture.....                          | 6               | 0.0                 | 5.0  | ----- | 0.0     | 9.3  | ----- | 0.0      | 12.1 | ----- |
| Sepsis.....                                | 1               | 100.0               | 56.6 | ----- | 100.0   | 64.1 | ----- | 100.0    | 67.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 3.9  | ----- | 0.0     | 7.9  | ----- | 0.0      | 10.9 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 4.9  | ----- | 0.0     | 9.1  | ----- | 0.0      | 11.8 | ----- |
| Prostatectomy.....                         | 5               | 0.0                 | 2.3  | ----- | 0.0     | 5.5  | ----- | 20.0     | 9.7  | ----- |
| Cholecystectomy.....                       | 1               | 100.0               | 3.7  | ----- | 100.0   | 5.8  | ----- | 100.0    | 6.9  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GENTRY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260086

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.2 years |
| Proportion female.....        | 63.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 97.2 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 0.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.9 %  |
| Chronic cardiovascular disease..... | 31.0 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 5.6 %  |
| Chronic pulmonary disease.....      | 13.2 % |
| Cerebrovascular degeneration.....   | 2.8 %  |
| Diabetes mellitus.....              | 8.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 62.6%  |
| State .....         | 34.1%  |
| Outside State ..... | 3.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.4 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 55                  |
| Occupancy Rate .....       | 23.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 54.7 %              |
| Case Mix Index (CMI) ..... | 1.0012              |

### STAFFING:

|                                                            |       |
|------------------------------------------------------------|-------|
| Total Number of Physicians.....                            | 14    |
| Percent of Physicians Board<br>Certified Specialists ..... | 7.1 % |
| Medical Residents/Interns .....                            | 0     |
| Registered Nurses .....                                    | 16    |
| Licensed Practical Nurses .....                            | 9     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# GOLDEN VALLEY MEMORIAL

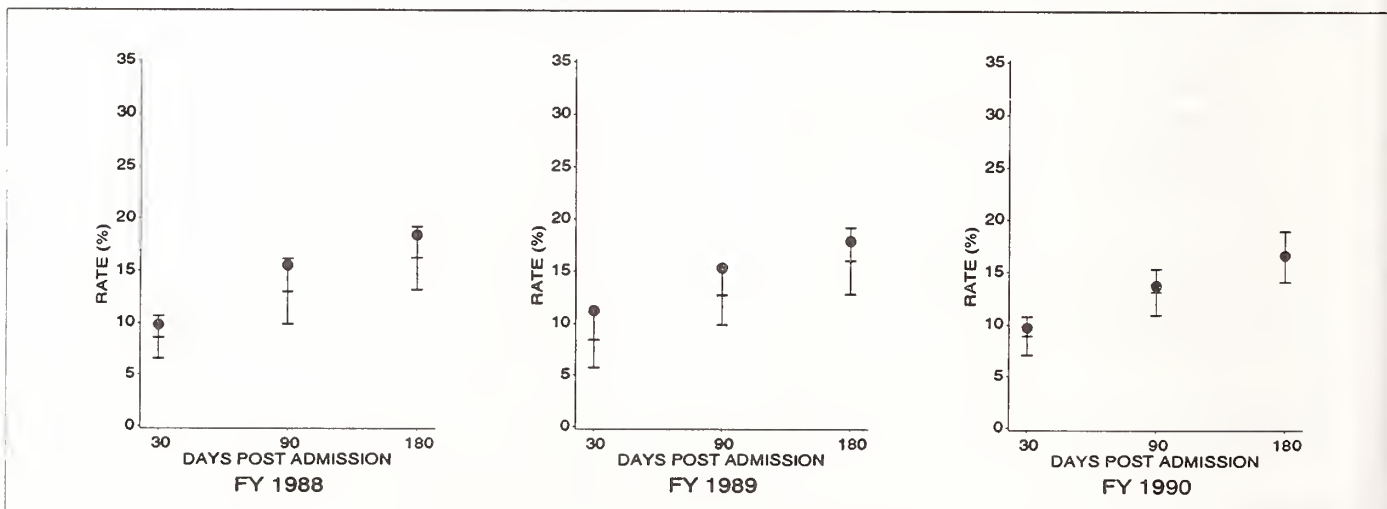
HWY JCT 7 AND 13 NORTH  
CLINTON, MO 64735  
Medicare Provider Number: 260175

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1213            | 9.7                 | 8.9  | 0.9  | 13.7    | 13.1 | 1.1  | 16.6     | 16.5 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 53              | 35.8                | 33.6 | 6.8  | 43.4    | 36.4 | 8.8  | 45.3     | 39.5 | 8.6  |
| Congestive Heart Failure.....              | 80              | 11.2                | 13.7 | 4.3  | 16.2    | 21.4 | 5.9  | 21.2     | 27.6 | 6.8  |
| Pneumonia/Influenza.....                   | 106             | 15.1                | 14.9 | 4.3  | 20.8    | 20.2 | 3.9  | 25.5     | 24.0 | 4.4  |
| Chronic Obstructive Pulmonary Disease..... | 45              | 6.7                 | 6.4  | ---- | 8.9     | 11.9 | ---- | 11.1     | 16.2 | ---- |
| Transient Cerebral Ischemia.....           | 37              | 5.4                 | 1.9  | ---- | 8.1     | 4.6  | ---- | 10.8     | 7.8  | ---- |
| Stroke.....                                | 49              | 16.3                | 16.7 | ---- | 28.6    | 22.3 | ---- | 30.6     | 26.1 | ---- |
| Hip Fracture.....                          | 48              | 4.2                 | 6.8  | ---- | 4.2     | 11.8 | ---- | 8.3      | 15.2 | ---- |
| Sepsis.....                                | 13              | 15.4                | 20.2 | ---- | 23.1    | 27.4 | ---- | 23.1     | 32.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 7.2  | ---- | 0.0     | 12.0 | ---- | 0.0      | 16.4 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 36              | 2.8                 | 4.1  | ---- | 2.8     | 7.3  | ---- | 2.8      | 9.8  | ---- |
| Open Reduction of Hip Fracture.....        | 21              | 4.8                 | 7.1  | ---- | 4.8     | 12.8 | ---- | 9.5      | 16.4 | ---- |
| Prostatectomy.....                         | 24              | 0.0                 | 1.0  | ---- | 0.0     | 2.2  | ---- | 4.2      | 3.7  | ---- |
| Cholecystectomy.....                       | 26              | 7.7                 | 2.5  | ---- | 7.7     | 4.3  | ---- | 7.7      | 5.7  | ---- |
| Hysterectomy.....                          | 13              | 0.0                 | 2.1  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GOLDEN VALLEY MEMORIAL

Medicare Provider Number: 260175

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 60.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.0 %  
Transferred from skilled nursing facility..... 2.2 %  
Admitted for elective procedure..... 47.9 %  
Admitted for emergency..... 46.2 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 23.1 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 9.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 57.8%  
State..... 40.6%  
Outside State..... 1.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.9 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 108  
Occupancy Rate..... 64.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 52.8 %  
Case Mix Index (CMI)..... 1.1244

### STAFFING:

Total Number of Physicians..... 32  
Percent of Physicians Board  
Certified Specialists..... 87.5 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 64  
Licensed Practical Nurses..... 40

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRIM-SMITH HOSPITAL AND CLINIC

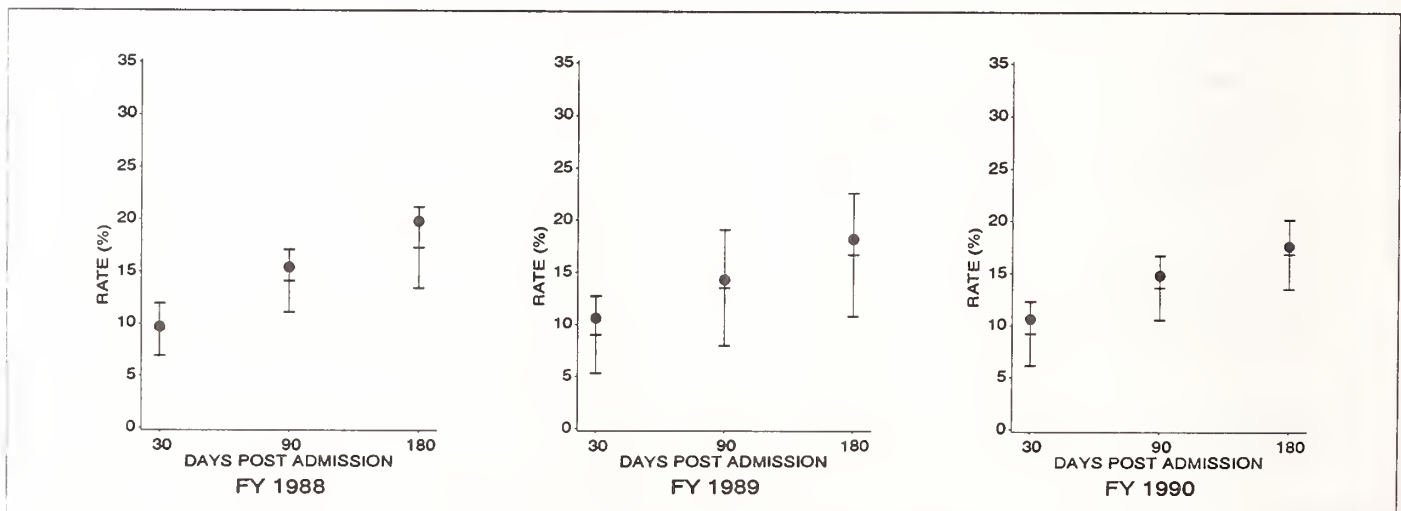
112 E PATTERSON AVE  
KIRKSVILLE, MO 63501  
Medicare Provider Number: 260129

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 709                | 10.6                | 9.2  | 1.5  | 14.8    | 13.6 | 1.5  | 17.6     | 16.8 | 1.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 18                 | 22.2                | 33.0 | ---- | 27.8    | 36.2 | ---- | 27.8     | 39.6 | ---- |
| Congestive Heart Failure.....              | 28                 | 25.0                | 13.2 | ---- | 28.6    | 20.8 | ---- | 28.6     | 26.4 | ---- |
| Pneumonia/Influenza.....                   | 43                 | 23.3                | 14.9 | ---- | 27.9    | 20.6 | ---- | 32.6     | 24.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 20.0                | 9.6  | ---- | 20.0    | 15.5 | ---- | 20.0     | 19.9 | ---- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 1.8  | ---- | 0.0     | 3.9  | ---- | 12.5     | 6.4  | ---- |
| Stroke.....                                | 19                 | 21.1                | 19.5 | ---- | 31.6    | 26.4 | ---- | 31.6     | 30.7 | ---- |
| Hip Fracture.....                          | 20                 | 15.0                | 5.7  | ---- | 20.0    | 9.9  | ---- | 20.0     | 13.4 | ---- |
| Sepsis.....                                | 8                  | 37.5                | 27.7 | ---- | 37.5    | 35.2 | ---- | 37.5     | 40.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 10.1 | ---- | 0.0     | 17.2 | ---- | 0.0      | 22.2 | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 9                  | 11.1                | 5.9  | ---- | 11.1    | 11.2 | ---- | 11.1     | 15.5 | ---- |
| Open Reduction of Hip Fracture.....        | 10                 | 0.0                 | 4.6  | ---- | 10.0    | 8.1  | ---- | 10.0     | 10.7 | ---- |
| Prostatectomy.....                         | 18                 | 0.0                 | 1.3  | ---- | 5.6     | 3.0  | ---- | 5.6      | 5.2  | ---- |
| Cholecystectomy.....                       | 11                 | 9.1                 | 5.4  | ---- | 18.2    | 9.9  | ---- | 18.2     | 12.4 | ---- |
| Hysterectomy.....                          | 6                  | 0.0                 | 1.6  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GRIM-SMITH HOSPITAL AND CLINIC

Medicare Provider Number: 260129

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.9 years |
| Proportion female.....        | 64.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.6 % |
| Transferred from skilled nursing facility..... | 2.4 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 36.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.7 %  |
| Chronic cardiovascular disease..... | 34.1 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 2.3 %  |
| Chronic pulmonary disease.....      | 8.2 %  |
| Cerebrovascular degeneration.....   | 3.0 %  |
| Diabetes mellitus.....              | 4.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 37.0%  |
| State .....         | 61.5%  |
| Outside State ..... | 1.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.8 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 68                  |
| Occupancy Rate .....       | 48.0 %              |
| Ownership/Control.....     | Private, For Profit |
| Medicare Discharges .....  | 48.0 %              |
| Case Mix Index (CMI) ..... | 1.0361              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 26     |
| Percent of Physicians Board<br>Certified Specialists ..... | 80.8 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 38     |
| Licensed Practical Nurses .....                            | 29     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HANNIBAL REGIONAL HEALTHCARE SYSTEM

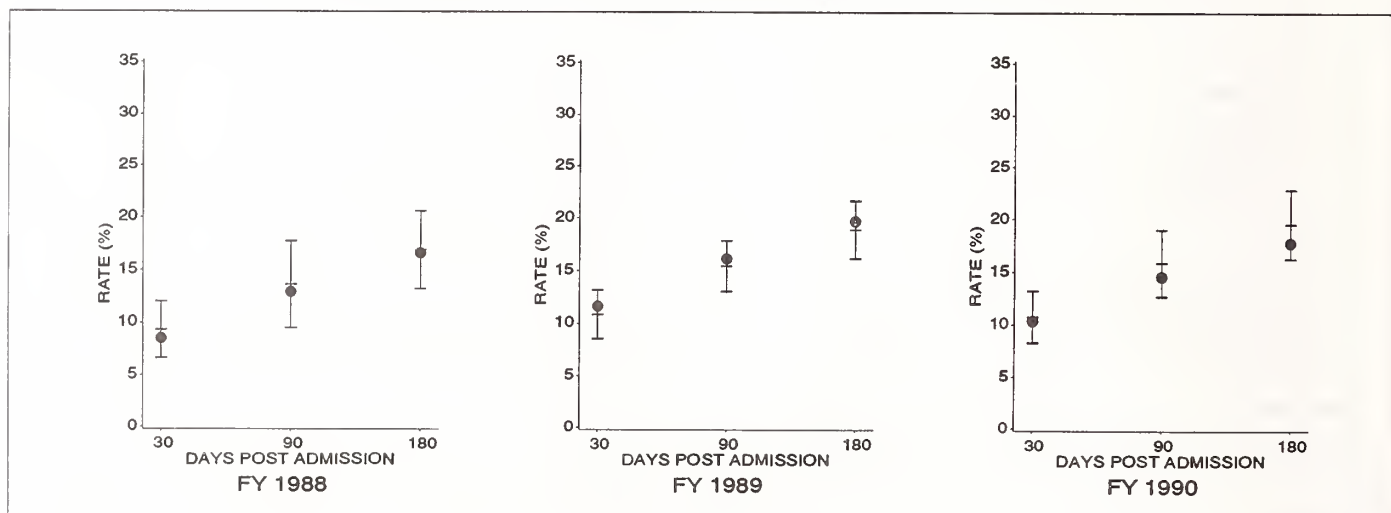
109 VIRGINIA ST  
HANNIBAL, MO 63401  
Medicare Provider Number: 260025

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1152               | 10.3                | 10.7 | 1.2  | 14.5    | 15.8 | 1.6  | 17.7     | 19.5 | 1.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 52                 | 28.8                | 31.0 | 7.9  | 28.8    | 33.6 | 8.6  | 28.8     | 36.2 | 9.8  |
| Congestive Heart Failure.....              | 86                 | 16.3                | 14.9 | 6.1  | 25.6    | 23.3 | 5.5  | 31.4     | 29.4 | 5.4  |
| Pneumonia/Influenza.....                   | 87                 | 12.6                | 13.2 | 4.2  | 17.2    | 18.1 | 4.6  | 20.7     | 21.8 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 22                 | 4.5                 | 8.0  | ---- | 9.1     | 12.9 | ---- | 18.2     | 16.9 | ---- |
| Transient Cerebral Ischemia.....           | 15                 | 6.7                 | 1.7  | ---- | 6.7     | 3.7  | ---- | 6.7      | 5.9  | ---- |
| Stroke.....                                | 42                 | 23.8                | 23.4 | ---- | 26.2    | 30.9 | ---- | 33.3     | 35.5 | ---- |
| Hip Fracture.....                          | 47                 | 2.1                 | 6.2  | ---- | 4.3     | 10.7 | ---- | 6.4      | 14.0 | ---- |
| Sepsis.....                                | 7                  | 42.9                | 25.0 | ---- | 42.9    | 35.5 | ---- | 57.1     | 40.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 6                  | 0.0                 | 7.4  | ---- | 0.0     | 12.0 | ---- | 0.0      | 14.9 | ---- |
| Carotid Endarterectomy.....                | 6                  | 0.0                 | 1.7  | ---- | 0.0     | 3.0  | ---- | 0.0      | 4.4  | ---- |
| Hip Replacement/Reconstruction.....        | 19                 | 0.0                 | 5.0  | ---- | 0.0     | 9.5  | ---- | 5.3      | 13.2 | ---- |
| Open Reduction of Hip Fracture.....        | 19                 | 5.3                 | 6.8  | ---- | 10.5    | 11.6 | ---- | 10.5     | 14.9 | ---- |
| Prostatectomy.....                         | 43                 | 4.7                 | 1.3  | ---- | 4.7     | 2.9  | ---- | 9.3      | 4.9  | ---- |
| Cholecystectomy.....                       | 26                 | 3.8                 | 2.4  | ---- | 3.8     | 4.9  | ---- | 3.8      | 7.0  | ---- |
| Hysterectomy.....                          | 15                 | 0.0                 | 0.2  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HANNIBAL REGIONAL HEALTHCARE SYSTEM

Medicare Provider Number: 260025

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 65.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.3 %  
Admitted for emergency..... 54.3 %

### COMORBIDITIES:

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 44.6 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 16.4 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 63.9%  
State ..... 32.6%  
Outside State ..... 3.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.2 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 132  
Occupancy Rate ..... 50.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.3 %  
Case Mix Index (CMI) ..... 1.2248

### STAFFING:

Total Number of Physicians..... 41  
Percent of Physicians Board  
Certified Specialists..... 65.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 78  
Licensed Practical Nurses ..... 54

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARRISON COUNTY COMMUNITY HOSPITAL

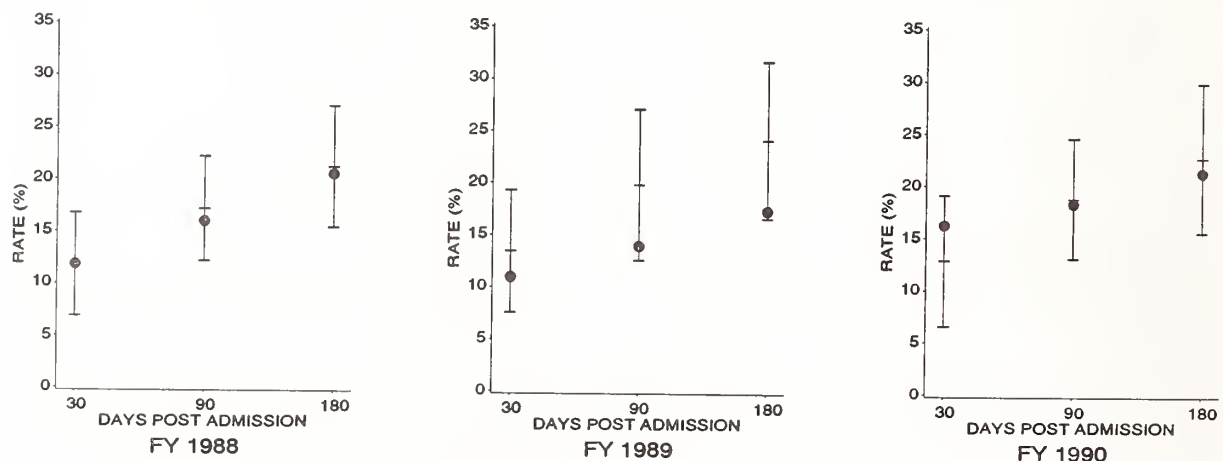
HIGHWAY 69 AND 136  
BETHANY, MO 64424  
Medicare Provider Number: 260109

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 197                | 16.2                | 12.8 | 3.2  | 18.3    | 18.8 | 2.9  | 21.3     | 22.7 | 3.6  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 10                 | 60.0                | 38.5 | ---- | 60.0    | 43.9 | ---- | 60.0     | 47.4 | ---- |
| Congestive Heart Failure.....              | 14                 | 21.4                | 15.5 | ---- | 21.4    | 24.5 | ---- | 21.4     | 30.2 | ---- |
| Pneumonia/Influenza.....                   | 33                 | 12.1                | 16.9 | ---- | 12.1    | 22.7 | ---- | 15.2     | 26.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 8                  | 12.5                | 10.2 | ---- | 25.0    | 18.6 | ---- | 25.0     | 24.0 | ---- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 3.0  | ---- | 0.0     | 7.3  | ---- | 100.0    | 12.4 | ---- |
| Stroke.....                                | 3                  | 66.7                | 17.9 | ---- | 66.7    | 24.1 | ---- | 66.7     | 28.2 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1                  | 0.0                 | 14.6 | ---- | 0.0     | 21.6 | ---- | 0.0      | 24.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HARRISON COUNTY COMMUNITY HOSPITAL

Medicare Provider Number: 260109

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.0 years  
Proportion female..... 59.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.8 %  
Transferred from skilled nursing facility..... 15.2 %  
Admitted for elective procedure..... 3.6 %  
Admitted for emergency..... 1.5 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 46.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 17.8 %  
Cerebrovascular degeneration..... 1.0 %  
Diabetes mellitus..... 4.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.0%  
State ..... 15.2%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 23  
Occupancy Rate ..... 24.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 57.0 %  
Case Mix Index (CMI) ..... 1.0184

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists ..... 20.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 9

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEARTLAND EAST HOSPITAL

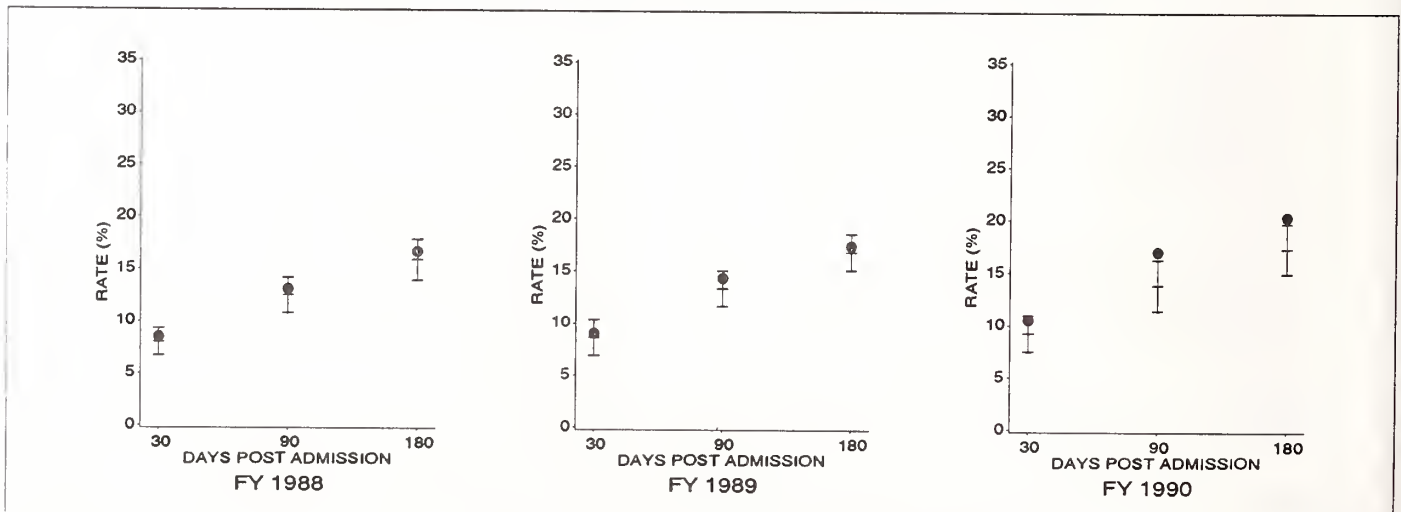
5325 FARAON ST  
ST JOSEPH, MO 64501  
Medicare Provider Number: 260090

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2545            | 10.5                | 9.2  | 0.9   | 17.0    | 13.8 | 1.2   | 20.3     | 17.3 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 93              | 32.3                | 23.4 | 8.2   | 36.6    | 26.2 | 8.9   | 37.6     | 28.9 | 8.6   |
| Congestive Heart Failure.....              | 142             | 13.4                | 14.6 | 3.1   | 26.1    | 23.3 | 4.3   | 33.1     | 29.7 | 4.8   |
| Pneumonia/Influenza.....                   | 178             | 16.9                | 15.0 | 5.3   | 26.4    | 20.6 | 6.7   | 29.2     | 24.6 | 6.0   |
| Chronic Obstructive Pulmonary Disease..... | 47              | 10.6                | 5.4  | ----- | 17.0    | 9.9  | ----- | 17.0     | 13.7 | ----- |
| Transient Cerebral Ischemia.....           | 42              | 0.0                 | 1.8  | ----- | 4.8     | 4.0  | ----- | 7.1      | 6.3  | ----- |
| Stroke.....                                | 122             | 23.8                | 19.8 | 7.3   | 33.6    | 25.9 | 9.3   | 35.2     | 29.8 | 8.3   |
| Hip Fracture.....                          | 132             | 6.1                 | 5.8  | 3.2   | 9.1     | 10.5 | 2.9   | 12.1     | 14.0 | 3.8   |
| Sepsis.....                                | 38              | 34.2                | 26.0 | ----- | 42.1    | 33.6 | ----- | 50.0     | 38.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 18              | 0.0                 | 3.8  | ----- | 0.0     | 7.6  | ----- | 11.1     | 10.7 | ----- |
| Carotid Endarterectomy.....                | 10              | 0.0                 | 1.6  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.1  | ----- |
| Hip Replacement/Reconstruction.....        | 109             | 1.8                 | 2.4  | 2.2   | 2.8     | 4.5  | 2.6   | 4.6      | 6.1  | 2.6   |
| Open Reduction of Hip Fracture.....        | 74              | 4.1                 | 5.3  | 2.8   | 8.1     | 9.9  | 4.0   | 12.2     | 13.4 | 4.5   |
| Prostatectomy.....                         | 7               | 0.0                 | 2.5  | ----- | 0.0     | 6.1  | ----- | 0.0      | 10.3 | ----- |
| Cholecystectomy.....                       | 66              | 0.0                 | 2.0  | 2.3   | 1.5     | 3.9  | 3.2   | 1.5      | 5.4  | 4.2   |
| Hysterectomy.....                          | 3               | 0.0                 | 5.7  | ----- | 0.0     | 11.7 | ----- | 33.3     | 16.7 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HEARTLAND EAST HOSPITAL

Medicare Provider Number: 260090

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 61.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 65.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 26.5 %  
Admitted for emergency..... 57.9 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 34.5 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 4.0 %  
Chronic pulmonary disease..... 17.1 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 9.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.3%  
State ..... 30.7%  
Outside State ..... 7.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 205  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.3740

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 114  
Licensed Practical Nurses ..... 26

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEARTLAND WEST HOSPITAL

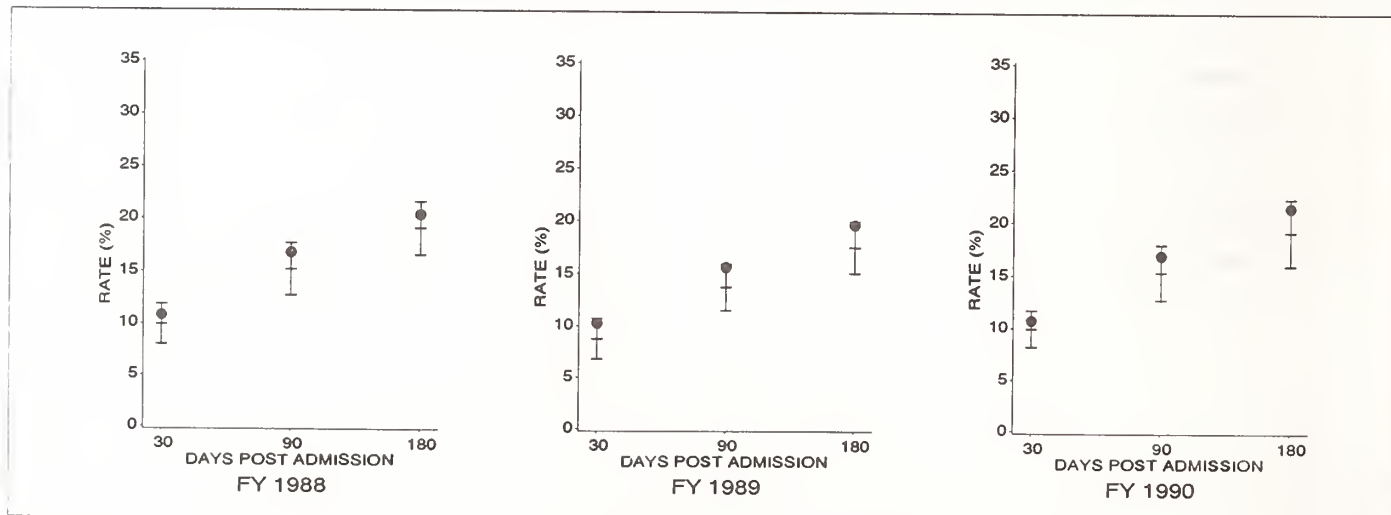
7TH TO 9TH ON FARAON  
ST JOSEPH, MO 64501  
Medicare Provider Number: 260006

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1399               | 10.7                | 9.9  | 0.9  | 16.9    | 15.3 | 1.3  | 21.4     | 19.1 | 1.6  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 37                 | 29.7                | 26.7 | ---- | 40.5    | 30.5 | ---- | 40.5     | 33.8 | ---- |
| Congestive Heart Failure.....              | 71                 | 8.5                 | 14.8 | 5.0  | 25.4    | 23.7 | 5.7  | 33.8     | 30.0 | 5.7  |
| Pneumonia/Influenza.....                   | 82                 | 14.6                | 17.3 | 4.7  | 23.2    | 24.2 | 5.1  | 30.5     | 28.4 | 6.0  |
| Chronic Obstructive Pulmonary Disease..... | 33                 | 12.1                | 9.3  | ---- | 21.2    | 16.0 | ---- | 27.3     | 20.7 | ---- |
| Transient Cerebral Ischemia.....           | 11                 | 0.0                 | 2.8  | ---- | 0.0     | 5.8  | ---- | 9.1      | 9.0  | ---- |
| Stroke.....                                | 48                 | 27.1                | 24.2 | ---- | 29.2    | 30.6 | ---- | 31.3     | 34.4 | ---- |
| Hip Fracture.....                          | 35                 | 11.4                | 8.1  | ---- | 14.3    | 14.4 | ---- | 17.1     | 18.6 | ---- |
| Sepsis.....                                | 19                 | 36.8                | 26.2 | ---- | 47.4    | 37.1 | ---- | 47.4     | 43.3 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7                  | 0.0                 | 3.2  | ---- | 0.0     | 6.5  | ---- | 0.0      | 9.0  | ---- |
| Carotid Endarterectomy.....                | 3                  | 0.0                 | 1.0  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.1  | ---- |
| Hip Replacement/Reconstruction.....        | 14                 | 0.0                 | 4.4  | ---- | 7.1     | 8.5  | ---- | 7.1      | 11.6 | ---- |
| Open Reduction of Hip Fracture.....        | 20                 | 20.0                | 9.0  | ---- | 20.0    | 16.4 | ---- | 25.0     | 21.1 | ---- |
| Prostatectomy.....                         | 101                | 1.0                 | 1.0  | 1.2  | 2.0     | 2.2  | 1.6  | 4.0      | 3.8  | 1.9  |
| Cholecystectomy.....                       | 26                 | 3.8                 | 3.4  | ---- | 3.8     | 6.3  | ---- | 15.4     | 8.2  | ---- |
| Hysterectomy.....                          | 29                 | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HEARTLAND WEST HOSPITAL

Medicare Provider Number: 260006

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.3 years |
| Proportion female.....        | 55.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 68.8 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 26.9 % |
| Admitted for emergency.....                    | 61.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 10.8 % |
| Chronic cardiovascular disease..... | 32.4 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 4.5 %  |
| Chronic pulmonary disease.....      | 17.4 % |
| Cerebrovascular degeneration.....   | 4.6 %  |
| Diabetes mellitus.....              | 8.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 68.3%  |
| State .....         | 22.8%  |
| Outside State ..... | 8.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.6 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 580                 |
| Occupancy Rate .....       | 64.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 45.8 %              |
| Case Mix Index (CMI) ..... | 1.2671              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 136    |
| Percent of Physicians Board<br>Certified Specialists ..... | 73.5 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 353    |
| Licensed Practical Nurses.....                             | 72     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEDRICK MEDICAL CENTER

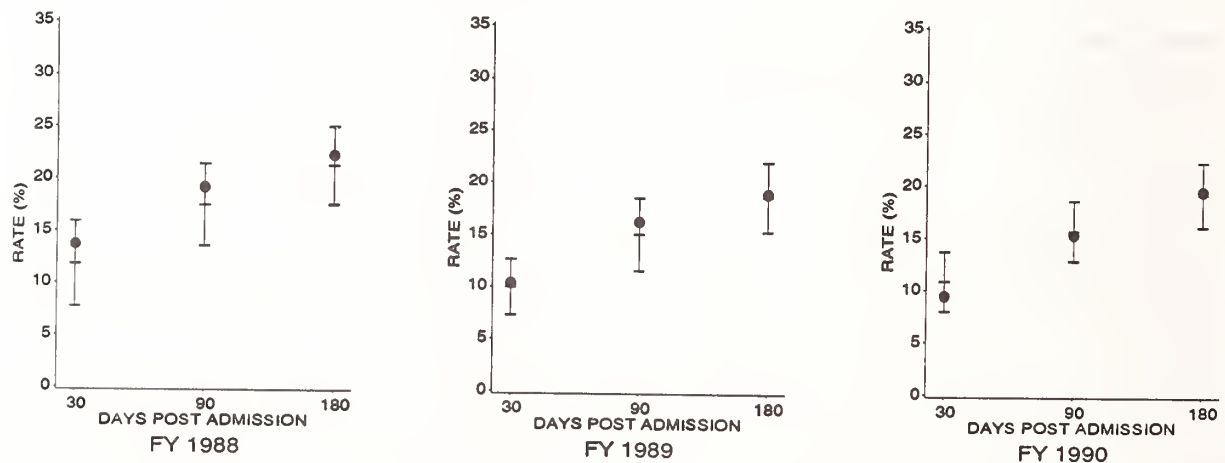
100 CENTRAL ST  
CHILLCOTHE, MO 64601  
Medicare Provider Number: 260044

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 667             | 9.4                 | 10.8 | 1.4   | 15.3    | 15.7 | 1.5   | 19.5     | 19.2 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 50.0                | 29.5 | ----- | 55.6    | 33.1 | ----- | 61.1     | 36.1 | ----- |
| Congestive Heart Failure.....              | 42              | 14.3                | 13.7 | ----- | 19.0    | 21.4 | ----- | 33.3     | 28.2 | ----- |
| Pneumonia/Influenza.....                   | 90              | 12.2                | 15.3 | 5.0   | 16.7    | 20.9 | 7.1   | 20.0     | 24.7 | 8.4   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 6.1  | ----- | 0.0     | 11.2 | ----- | 5.9      | 15.5 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 2.4  | ----- | 11.1    | 5.2  | ----- | 11.1     | 8.3  | ----- |
| Stroke.....                                | 41              | 9.8                 | 17.7 | ----- | 14.6    | 22.7 | ----- | 19.5     | 26.6 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 10.7 | ----- | 0.0     | 18.4 | ----- | 0.0      | 23.1 | ----- |
| Sepsis.....                                | 12              | 25.0                | 35.0 | ----- | 50.0    | 44.1 | ----- | 58.3     | 49.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 9.7  | ----- | 0.0     | 17.2 | ----- | 0.0      | 21.8 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 7               | 0.0                 | 2.0  | ----- | 0.0     | 3.6  | ----- | 0.0      | 4.7  | ----- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HEDRICK MEDICAL CENTER

Medicare Provider Number: 260044

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.1 years  
Proportion female..... 64.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 80.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 55.6 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 45.4 %  
Chronic liver disease..... 0.1 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 19.0 %  
Cerebrovascular degeneration..... 1.9 %  
Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 64.1%  
State..... 33.5%  
Outside State..... 2.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.7 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 63  
Occupancy Rate..... 57.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 52.6 %  
Case Mix Index (CMI)..... 1.0791

### STAFFING:

Total Number of Physicians..... 17  
Percent of Physicians Board  
Certified Specialists..... 47.1 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 36  
Licensed Practical Nurses..... 29

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HERMANN AREA DISTRICT HOSPITAL

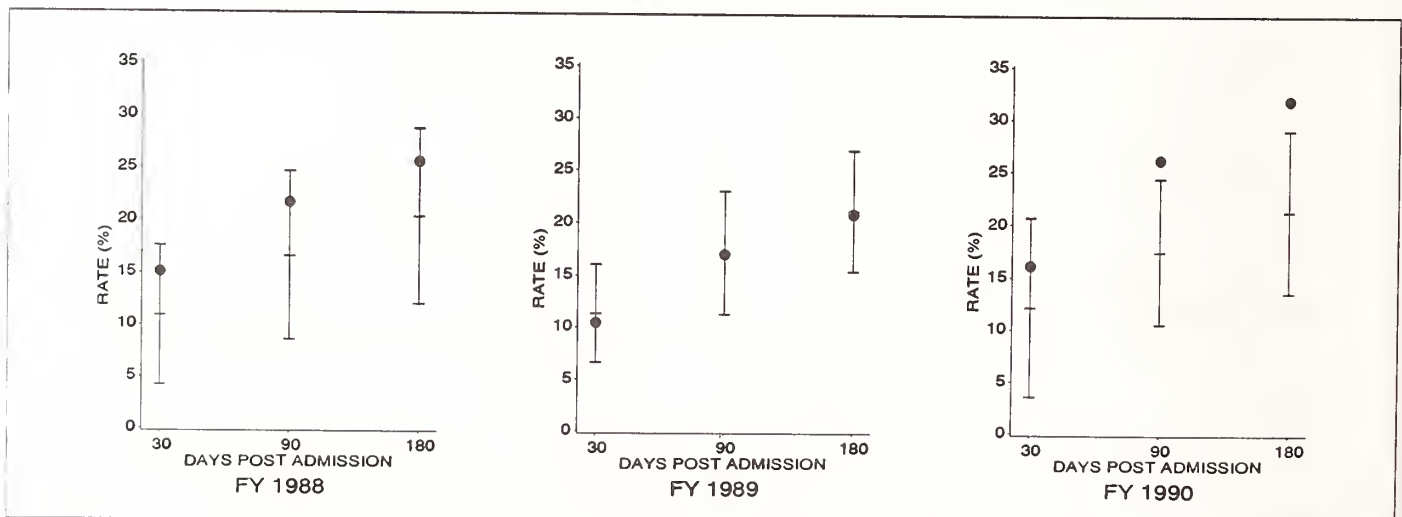
RFD 1 BOX 30  
HERMANN, MO 65041  
Medicare Provider Number: 260158

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 211                | 16.1                | 12.1 | 4.3  | 26.1    | 17.4 | 3.5  | 31.8     | 21.2 | 3.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7                  | 57.1                | 29.0 | ---- | 57.1    | 33.0 | ---- | 57.1     | 37.1 | ---- |
| Congestive Heart Failure.....              | 17                 | 5.9                 | 15.0 | ---- | 47.1    | 23.6 | ---- | 58.8     | 29.7 | ---- |
| Pneumonia/Influenza.....                   | 17                 | 17.6                | 14.6 | ---- | 23.5    | 20.4 | ---- | 23.5     | 24.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 8.5  | ---- | 0.0     | 16.2 | ---- | 0.0      | 22.0 | ---- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.0  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.4  | ---- |
| Stroke.....                                | 10                 | 40.0                | 24.6 | ---- | 80.0    | 34.1 | ---- | 80.0     | 39.4 | ---- |
| Hip Fracture.....                          | 6                  | 16.7                | 6.8  | ---- | 16.7    | 12.8 | ---- | 16.7     | 17.3 | ---- |
| Sepsis.....                                | 4                  | 25.0                | 30.4 | ---- | 25.0    | 35.4 | ---- | 50.0     | 39.0 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2                  | 0.0                 | 7.5  | ---- | 0.0     | 15.7 | ---- | 0.0      | 22.2 | ---- |
| Open Reduction of Hip Fracture.....        | 3                  | 33.3                | 7.1  | ---- | 33.3    | 12.6 | ---- | 33.3     | 15.8 | ---- |
| Prostatectomy.....                         | 8                  | 0.0                 | 0.8  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.8  | ---- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 5.1  | ---- | 0.0     | 9.8  | ---- | 0.0      | 13.2 | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.5  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HERMANN AREA DISTRICT HOSPITAL

Medicare Provider Number: 260158

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.7 years  
 Proportion female..... 52.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.8 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 1.4 %  
 Admitted for emergency..... 0.5 %

### COMORBIDITIES:

Cancer..... 6.2 %  
 Chronic cardiovascular disease..... 33.6 %  
 Chronic liver disease..... 0.0 %  
 Chronic renal disease..... 1.9 %  
 Chronic pulmonary disease..... 10.9 %  
 Cerebrovascular degeneration..... 4.7 %  
 Diabetes mellitus..... 10.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 59.9%  
 State ..... 38.1%  
 Outside State ..... 2.0%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
 State ..... 8.4 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 43  
 Occupancy Rate ..... 53.0 %  
 Ownership/Control..... District/Authority  
 Medicare Discharges ..... 44.3 %  
 Case Mix Index (CMI) ..... 1.0908

### STAFFING:

Total Number of Physicians..... 8  
 Percent of Physicians Board  
 Certified Specialists ..... 62.5 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 18  
 Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... No  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# INCARNATE WORD HOSPITAL

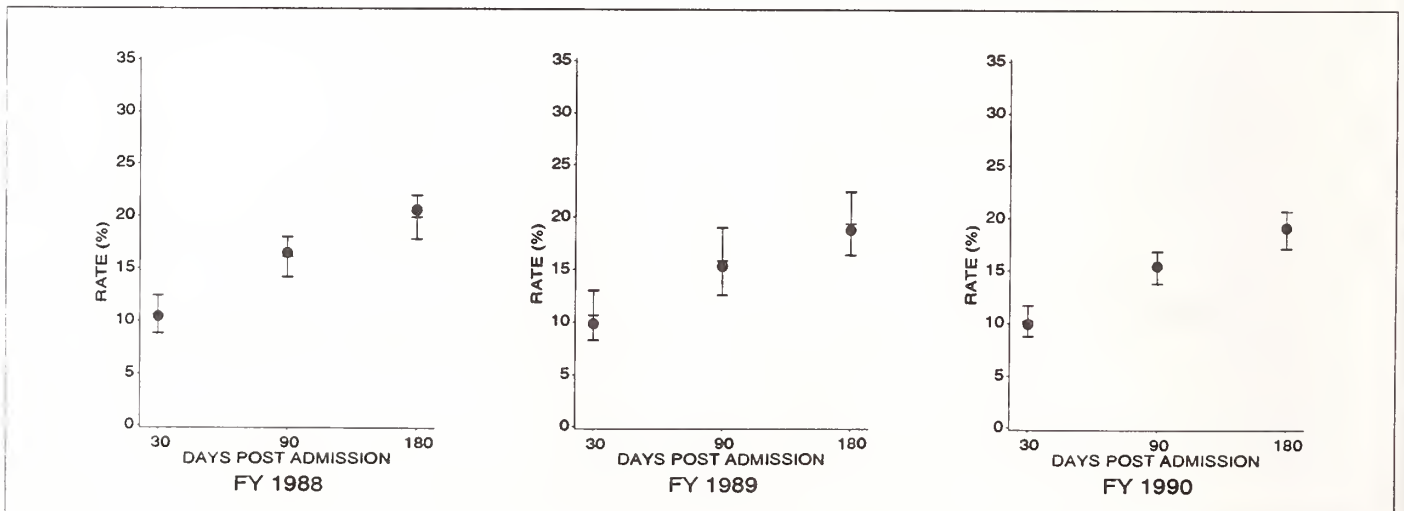
3545 LAFAYETTE  
ST LOUIS, MO 63104  
Medicare Provider Number: 260054

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2204            | 9.9                 | 10.2 | 0.7   | 15.4    | 15.3 | 0.8   | 19.1     | 18.9 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 65              | 26.2                | 31.5 | 9.4   | 29.2    | 34.5 | 10.1  | 30.8     | 37.7 | 11.0  |
| Congestive Heart Failure.....              | 116             | 7.8                 | 14.4 | 5.2   | 15.5    | 22.3 | 6.1   | 19.8     | 28.3 | 6.4   |
| Pneumonia/Influenza.....                   | 172             | 14.0                | 16.2 | 3.1   | 24.4    | 21.9 | 3.5   | 29.1     | 25.9 | 4.0   |
| Chronic Obstructive Pulmonary Disease..... | 31              | 3.2                 | 9.7  | ----- | 9.7     | 16.5 | ----- | 12.9     | 21.4 | ----- |
| Transient Cerebral Ischemia.....           | 33              | 3.0                 | 2.3  | ----- | 3.0     | 5.3  | ----- | 3.0      | 8.7  | ----- |
| Stroke.....                                | 110             | 20.0                | 19.7 | 4.3   | 27.3    | 26.2 | 4.9   | 34.5     | 29.9 | 5.2   |
| Hip Fracture.....                          | 56              | 5.4                 | 7.8  | 4.6   | 8.9     | 13.5 | 7.8   | 10.7     | 17.2 | 9.6   |
| Sepsis.....                                | 36              | 25.0                | 26.4 | ----- | 30.6    | 33.4 | ----- | 33.3     | 37.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 23              | 0.0                 | 5.3  | ----- | 13.0    | 9.6  | ----- | 21.7     | 13.2 | ----- |
| Carotid Endarterectomy.....                | 14              | 7.1                 | 1.8  | ----- | 14.3    | 3.2  | ----- | 14.3     | 4.5  | ----- |
| Hip Replacement/Reconstruction.....        | 34              | 5.9                 | 5.5  | ----- | 8.8     | 10.2 | ----- | 8.8      | 13.3 | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 0.0                 | 6.0  | ----- | 0.0     | 10.5 | ----- | 7.1      | 13.8 | ----- |
| Prostatectomy.....                         | 63              | 1.6                 | 1.1  | 1.5   | 3.2     | 2.7  | 2.6   | 4.8      | 4.6  | 3.9   |
| Cholecystectomy.....                       | 39              | 5.1                 | 3.6  | ----- | 7.7     | 6.1  | ----- | 12.8     | 7.8  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# INCARNATE WORD HOSPITAL

Medicare Provider Number: 260054

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 67.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.8 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 21.3 %  
Admitted for emergency..... 62.7 %

### COMORBIDITIES:

Cancer..... 5.9 %  
Chronic cardiovascular disease..... 33.7 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 17.7 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 17.6%  
State ..... 79.0%  
Outside State ..... 3.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 259  
Occupancy Rate ..... 65.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 71.0 %  
Case Mix Index (CMI) ..... 1.3017

### STAFFING:

Total Number of Physicians..... 209  
Percent of Physicians Board  
Certified Specialists..... 70.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 113  
Licensed Practical Nurses..... 37

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# INDEPENDENCE REGIONAL HEALTH CENTER

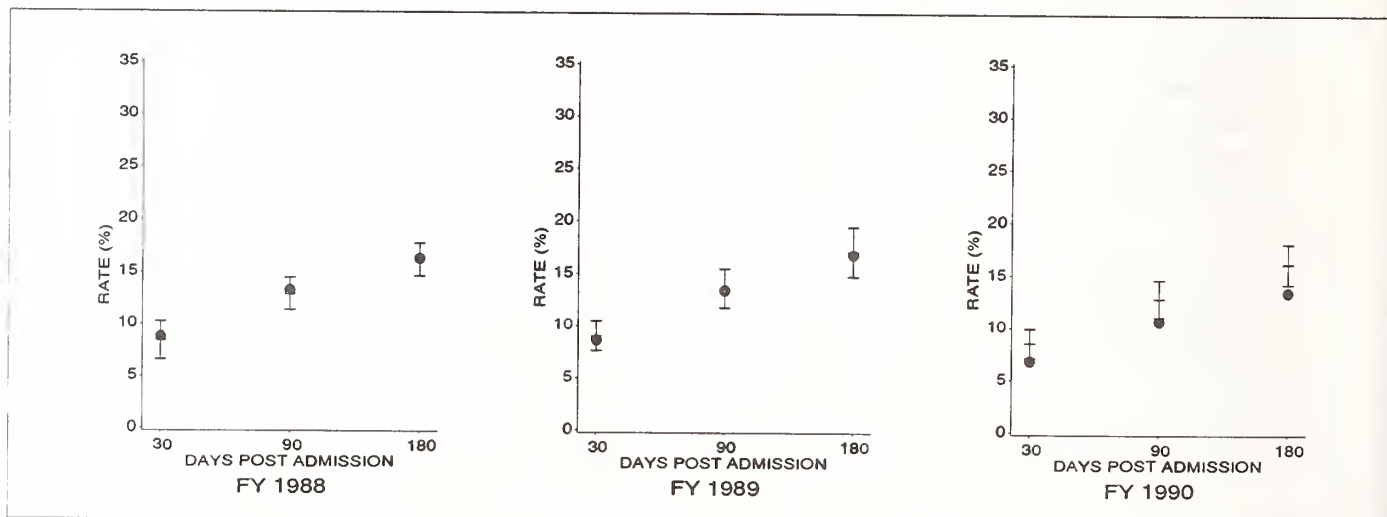
1509 W TRUMAN RD  
INDEPENDENCE, MO 64050  
Medicare Provider Number: 260095

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2545            | 6.8                 | 8.5  | 0.7  | 10.6    | 12.8 | 0.9  | 13.4     | 16.1 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 93              | 14.0                | 24.4 | 5.6  | 18.3    | 27.8 | 6.3  | 21.5     | 30.7 | 6.6  |
| Congestive Heart Failure.....              | 115             | 14.8                | 13.5 | 4.9  | 22.6    | 21.2 | 4.8  | 25.2     | 27.1 | 5.0  |
| Pneumonia/Influenza.....                   | 109             | 11.0                | 14.4 | 3.6  | 11.9    | 19.7 | 4.5  | 12.8     | 23.3 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 26              | 3.8                 | 6.8  | ---- | 7.7     | 12.4 | ---- | 15.4     | 16.6 | ---- |
| Transient Cerebral Ischemia.....           | 40              | 0.0                 | 1.8  | ---- | 2.5     | 4.0  | ---- | 2.5      | 6.3  | ---- |
| Stroke.....                                | 107             | 13.1                | 19.6 | 4.8  | 20.6    | 25.9 | 6.0  | 23.4     | 29.6 | 5.2  |
| Hip Fracture.....                          | 78              | 0.0                 | 5.7  | 4.0  | 3.8     | 10.1 | 5.4  | 5.1      | 13.4 | 6.1  |
| Sepsis.....                                | 39              | 10.3                | 21.9 | ---- | 12.8    | 28.8 | ---- | 17.9     | 33.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 74              | 2.7                 | 4.4  | 2.5  | 4.1     | 5.5  | 3.0  | 5.4      | 6.5  | 3.4  |
| Coronary Artery Bypass Graft.....          | 49              | 10.2                | 5.5  | ---- | 10.2    | 7.5  | ---- | 10.2     | 8.4  | ---- |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 2.4  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.6  | ---- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 3.4  | ---- | 0.0     | 6.1  | ---- | 0.0      | 8.4  | ---- |
| Hip Replacement/Reconstruction.....        | 41              | 0.0                 | 2.7  | ---- | 0.0     | 4.9  | ---- | 0.0      | 6.7  | ---- |
| Open Reduction of Hip Fracture.....        | 51              | 0.0                 | 5.3  | 5.5  | 5.9     | 9.8  | 7.1  | 7.8      | 13.0 | 8.7  |
| Prostatectomy.....                         | 116             | 1.7                 | 0.8  | 1.5  | 2.6     | 2.0  | 1.9  | 4.3      | 3.5  | 2.1  |
| Cholecystectomy.....                       | 42              | 0.0                 | 2.6  | ---- | 2.4     | 5.1  | ---- | 4.8      | 7.2  | ---- |
| Hysterectomy.....                          | 17              | 5.9                 | 1.1  | ---- | 11.8    | 2.4  | ---- | 11.8     | 3.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# INDEPENDENCE REGIONAL HEALTH CENTER

Medicare Provider Number: 260095

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 58.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.2 %  
Transferred from skilled nursing facility..... 0.8 %  
Admitted for elective procedure..... 16.9 %  
Admitted for emergency..... 80.7 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 25.1 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 15.8 %  
Cerebrovascular degeneration..... 2.8 %  
Diabetes mellitus..... 9.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.4%  
State..... 7.4%  
Outside State..... 2.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.7 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 335  
Occupancy Rate..... 63.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 55.2 %  
Case Mix Index (CMI)..... 1.3295

### STAFFING:

Total Number of Physicians..... 151  
Percent of Physicians Board  
Certified Specialists..... 74.2 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 211  
Licensed Practical Nurses..... 51

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JEFFERSON MEMORIAL HOSPITAL

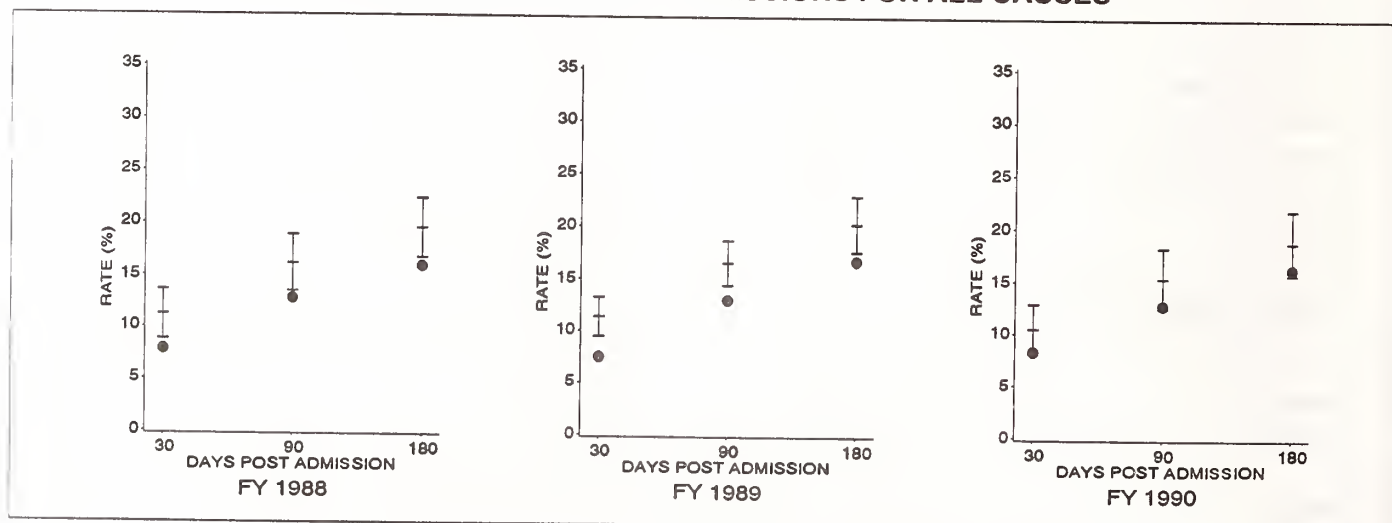
HWY 61 SOUTH, BOX 350  
CRYSTAL CITY, MO 63019  
Medicare Provider Number: 260023

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1428               | 8.2                 | 10.4 | 1.2   | 12.7    | 15.3 | 1.5   | 16.2     | 18.7 | 1.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 47                 | 31.9                | 27.3 | ----- | 36.2    | 30.1 | ----- | 36.2     | 32.7 | ----- |
| Congestive Heart Failure.....              | 90                 | 13.3                | 15.8 | 4.0   | 18.9    | 25.2 | 5.7   | 26.7     | 31.6 | 6.0   |
| Pneumonia/Influenza.....                   | 119                | 10.1                | 16.3 | 5.3   | 18.5    | 22.2 | 4.8   | 22.7     | 25.8 | 5.1   |
| Chronic Obstructive Pulmonary Disease..... | 35                 | 5.7                 | 9.4  | ----- | 14.3    | 15.7 | ----- | 20.0     | 20.2 | ----- |
| Transient Cerebral Ischemia.....           | 16                 | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.5  | ----- |
| Stroke.....                                | 71                 | 18.3                | 20.4 | 7.2   | 25.4    | 26.5 | 8.7   | 29.6     | 30.1 | 6.8   |
| Hip Fracture.....                          | 33                 | 12.1                | 6.5  | ----- | 12.1    | 11.9 | ----- | 15.2     | 15.6 | ----- |
| Sepsis.....                                | 8                  | 0.0                 | 19.8 | ----- | 0.0     | 25.8 | ----- | 0.0      | 29.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8                  | 0.0                 | 3.1  | ----- | 0.0     | 6.5  | ----- | 0.0      | 9.4  | ----- |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 1.6  | ----- | 0.0     | 2.8  | ----- | 0.0      | 3.9  | ----- |
| Hip Replacement/Reconstruction.....        | 21                 | 9.5                 | 4.4  | ----- | 9.5     | 8.2  | ----- | 19.0     | 10.9 | ----- |
| Open Reduction of Hip Fracture.....        | 16                 | 0.0                 | 4.6  | ----- | 0.0     | 8.8  | ----- | 0.0      | 12.0 | ----- |
| Prostatectomy.....                         | 24                 | 0.0                 | 1.2  | ----- | 4.2     | 2.7  | ----- | 8.3      | 4.5  | ----- |
| Cholecystectomy.....                       | 24                 | 0.0                 | 2.3  | ----- | 0.0     | 4.0  | ----- | 0.0      | 4.9  | ----- |
| Hysterectomy.....                          | 9                  | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JEFFERSON MEMORIAL HOSPITAL

Medicare Provider Number: 260023

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 27.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 14.1 %  
Admitted for emergency..... 71.4 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 37.7 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 16.9 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 11.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 84.9%  
State..... 13.7%  
Outside State..... 1.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 10.4 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 230  
Occupancy Rate..... 50.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 44.9 %  
Case Mix Index (CMI)..... 1.2130

### STAFFING:

Total Number of Physicians..... 61  
Percent of Physicians Board  
Certified Specialists..... 65.6 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 132  
Licensed Practical Nurses..... 30

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

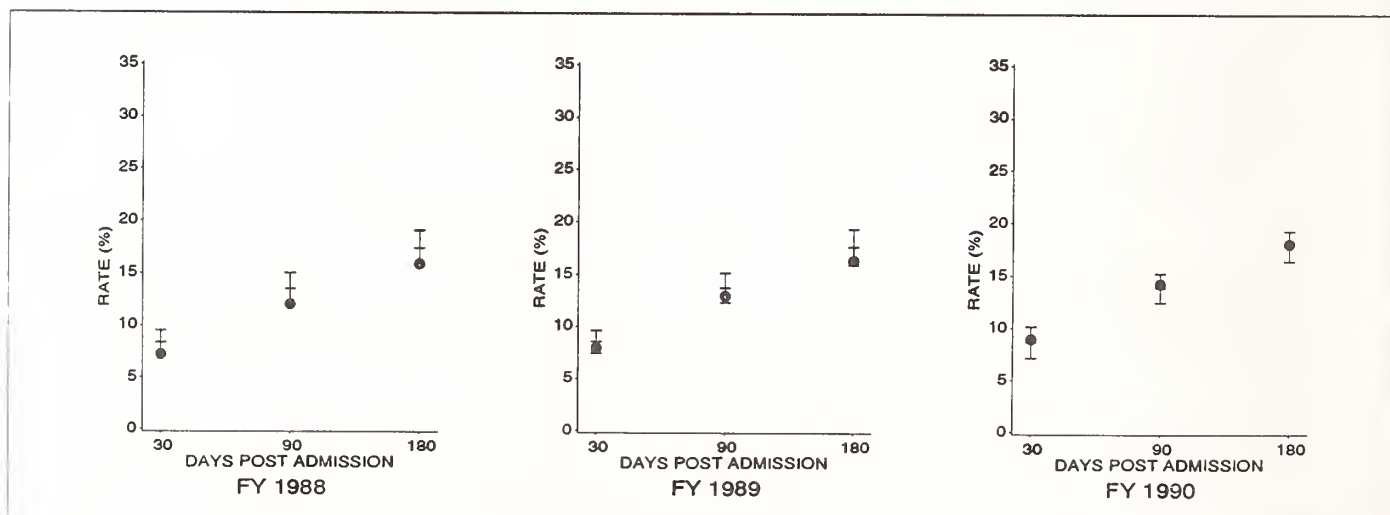
**JEWISH HOSPITAL**  
 216 S KINGS HIGHWAY  
 ST LOUIS, MO 63110  
 Medicare Provider Number: 260032

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3969               | 8.9                 | 8.6  | 0.8  | 14.2    | 13.8 | 0.7  | 18.0     | 17.8 | 0.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 110                | 19.1                | 24.5 | 6.6  | 24.5    | 28.6 | 7.4  | 26.4     | 31.6 | 8.3  |
| Congestive Heart Failure.....              | 264                | 12.9                | 16.7 | 3.6  | 20.8    | 26.3 | 4.9  | 27.3     | 33.0 | 5.4  |
| Pneumonia/Influenza.....                   | 136                | 21.3                | 17.2 | 4.9  | 27.9    | 24.0 | 6.0  | 33.8     | 28.8 | 6.4  |
| Chronic Obstructive Pulmonary Disease..... | 63                 | 1.6                 | 6.6  | 4.2  | 4.8     | 12.0 | 6.0  | 9.5      | 16.4 | 7.2  |
| Transient Cerebral Ischemia.....           | 39                 | 2.6                 | 1.3  | ---- | 5.1     | 3.2  | ---- | 7.7      | 5.5  | ---- |
| Stroke.....                                | 136                | 19.9                | 17.6 | 4.3  | 25.0    | 24.3 | 3.7  | 28.7     | 28.7 | 3.9  |
| Hip Fracture.....                          | 78                 | 5.1                 | 6.8  | 3.2  | 20.5    | 12.9 | 6.6  | 24.4     | 17.6 | 5.8  |
| Sepsis.....                                | 54                 | 31.5                | 20.5 | 10.9 | 37.0    | 29.8 | 11.8 | 40.7     | 35.6 | 10.8 |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 98                 | 8.2                 | 2.3  | 3.0  | 10.2    | 3.1  | 3.7  | 10.2     | 3.9  | 3.4  |
| Coronary Artery Bypass Graft.....          | 154                | 3.9                 | 6.1  | 2.2  | 6.5     | 8.8  | 2.4  | 9.7      | 9.9  | 2.4  |
| Initial Pacemaker Insertion.....           | 31                 | 0.0                 | 3.9  | ---- | 3.2     | 8.4  | ---- | 3.2      | 12.5 | ---- |
| Carotid Endarterectomy.....                | 5                  | 0.0                 | 1.4  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.7  | ---- |
| Hip Replacement/Reconstruction.....        | 47                 | 2.1                 | 3.0  | ---- | 12.8    | 5.8  | ---- | 17.0     | 8.1  | ---- |
| Open Reduction of Hip Fracture.....        | 41                 | 7.3                 | 6.5  | ---- | 22.0    | 12.9 | ---- | 22.0     | 18.0 | ---- |
| Prostatectomy.....                         | 74                 | 1.4                 | 1.1  | 1.5  | 1.4     | 2.8  | 2.5  | 4.1      | 4.8  | 2.6  |
| Cholecystectomy.....                       | 48                 | 2.1                 | 3.3  | ---- | 4.2     | 6.7  | ---- | 6.3      | 9.5  | ---- |
| Hysterectomy.....                          | 26                 | 0.0                 | 0.9  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$  2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**JEWISH HOSPITAL**  
Medicare Provider Number: 260032

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 75.0 years  
Proportion female..... 58.4 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 34.7 %  
Transferred from skilled nursing facility..... 8.8 %  
Admitted for elective procedure..... 87.6 %  
Admitted for emergency..... 11.3 %

**COMORBIDITIES:**

Cancer..... 10.4 %  
Chronic cardiovascular disease..... 38.5 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 6.2 %  
Chronic pulmonary disease..... 9.2 %  
Cerebrovascular degeneration..... 5.6 %  
Diabetes mellitus..... 8.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 33.2%  
State..... 47.7%  
Outside State..... 19.1%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 9.3 Days  
State..... 8.4 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds..... 500  
Occupancy Rate..... 67.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 49.2 %  
Case Mix Index (CMI)..... 1.5468

**STAFFING:**

Total Number of Physicians..... 516  
Percent of Physicians Board  
Certified Specialists..... 78.3 %  
Medical Residents/Interns..... 144  
Registered Nurses..... 668  
Licensed Practical Nurses..... 35

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JOHN FITZGIBBON MEMORIAL HOSPITAL

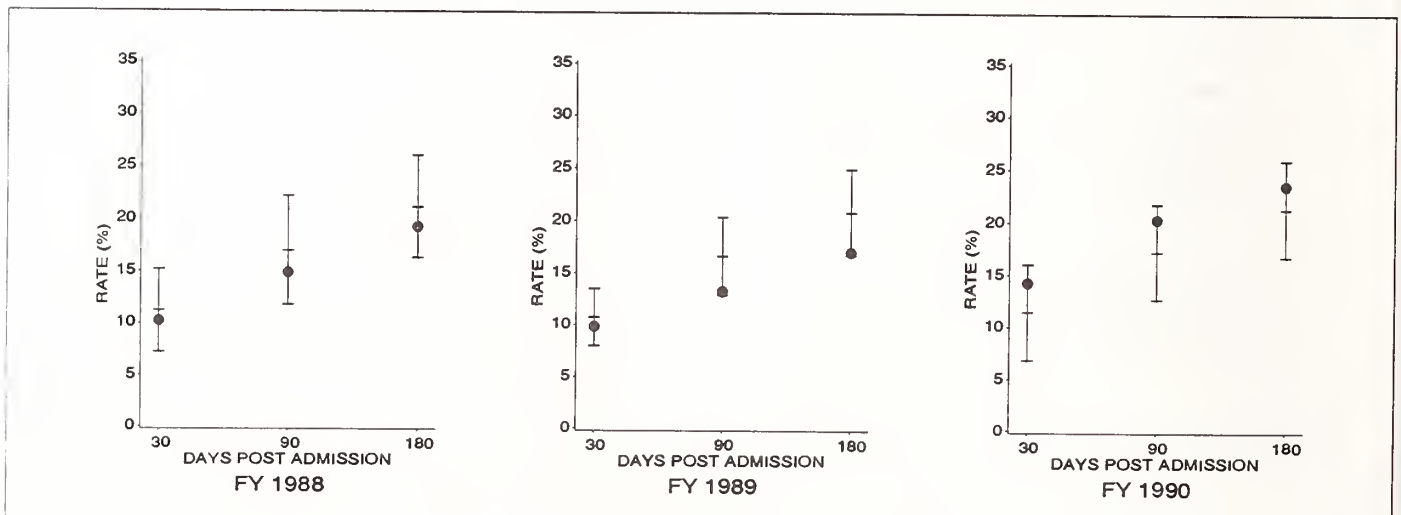
868 S BRUNSWICK AVE  
MARSHALL, MO 65340  
Medicare Provider Number: 260142

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 528             | 14.2                | 11.4 | 2.3  | 20.3    | 17.2 | 2.3  | 23.5     | 21.3 | 2.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 39              | 17.9                | 22.2 | ---- | 25.6    | 25.6 | ---- | 25.6     | 28.7 | ---- |
| Congestive Heart Failure.....              | 30              | 13.3                | 15.2 | ---- | 26.7    | 24.2 | ---- | 40.0     | 30.0 | ---- |
| Pneumonia/Influenza.....                   | 82              | 14.6                | 12.6 | 5.6  | 24.4    | 18.1 | 7.6  | 26.8     | 22.1 | 8.7  |
| Chronic Obstructive Pulmonary Disease..... | 13              | 15.4                | 9.8  | ---- | 23.1    | 16.7 | ---- | 30.8     | 21.6 | ---- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.2  | ---- | 0.0     | 2.9  | ---- | 0.0      | 5.1  | ---- |
| Stroke.....                                | 28              | 35.7                | 21.8 | ---- | 42.9    | 28.5 | ---- | 42.9     | 32.7 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 8               | 12.5                | 17.8 | ---- | 12.5    | 25.1 | ---- | 25.0     | 30.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 10              | 20.0                | 3.7  | ---- | 30.0    | 6.9  | ---- | 40.0     | 9.5  | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.4  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.3  | ---- |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 8               | 0.0                 | 1.4  | ---- | 0.0     | 3.2  | ---- | 0.0      | 5.2  | ---- |
| Cholecystectomy.....                       | 16              | 0.0                 | 2.7  | ---- | 0.0     | 5.4  | ---- | 0.0      | 7.8  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JOHN FITZGIBBON MEMORIAL HOSPITAL

Medicare Provider Number: 260142

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.7 years  
Proportion female..... 62.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 76.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.2 %  
Admitted for emergency..... 2.3 %

### COMORBIDITIES:

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 39.6 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 16.1 %  
Cerebrovascular degeneration..... 8.0 %  
Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.4%  
State..... 9.5%  
Outside State..... 2.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.7 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 55  
Occupancy Rate..... 45.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 59.3 %  
Case Mix Index (CMI)..... 1.2728

### STAFFING:

Total Number of Physicians..... 12  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 40  
Licensed Practical Nurses..... 23

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# KIRKSVILLE OSTEOPATHIC HEALTH CENTER

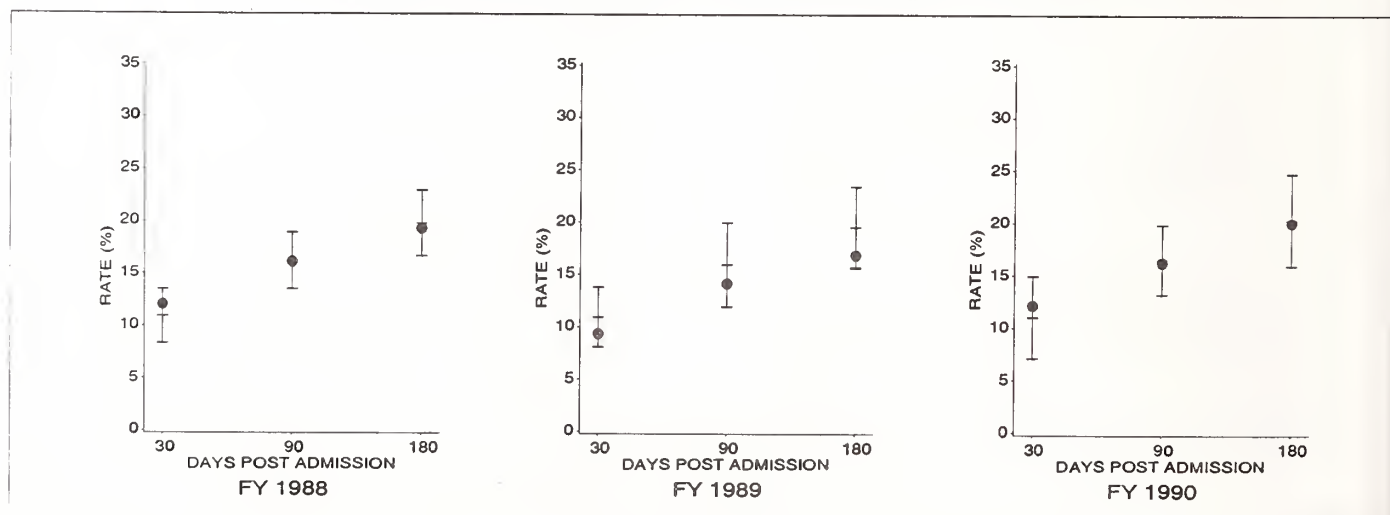
800 W JEFFERSON  
KIRKSVILLE, MO 63501  
Medicare Provider Number: 260022

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 860             | 12.1                | 11.0 | 2.0   | 16.2    | 16.5 | 1.7   | 20.0     | 20.3 | 2.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 29.6                | 24.6 | ----- | 33.3    | 27.3 | ----- | 33.3     | 29.6 | ----- |
| Congestive Heart Failure.....              | 51              | 15.7                | 15.5 | 5.2   | 25.5    | 24.0 | 6.1   | 33.3     | 30.3 | 7.3   |
| Pneumonia/Influenza.....                   | 53              | 13.2                | 13.0 | 5.2   | 24.5    | 18.6 | 7.8   | 34.0     | 22.7 | 11.4  |
| Chronic Obstructive Pulmonary Disease..... | 14              | 14.3                | 10.5 | ----- | 14.3    | 18.4 | ----- | 21.4     | 24.5 | ----- |
| Transient Cerebral Ischemia.....           | 10              | 0.0                 | 2.9  | ----- | 0.0     | 6.5  | ----- | 0.0      | 10.4 | ----- |
| Stroke.....                                | 36              | 25.0                | 24.4 | ----- | 33.3    | 31.4 | ----- | 36.1     | 35.3 | ----- |
| Hip Fracture.....                          | 30              | 16.7                | 8.0  | ----- | 16.7    | 13.8 | ----- | 20.0     | 17.7 | ----- |
| Sepsis.....                                | 10              | 10.0                | 21.4 | ----- | 20.0    | 26.7 | ----- | 50.0     | 30.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 2.9  | ----- | 7.1     | 6.1  | ----- | 7.1      | 9.6  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 1.7  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 28              | 7.1                 | 4.9  | ----- | 7.1     | 8.9  | ----- | 10.7     | 11.8 | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 18.8                | 6.6  | ----- | 18.8    | 11.7 | ----- | 18.8     | 15.2 | ----- |
| Prostatectomy.....                         | 28              | 3.6                 | 2.1  | ----- | 3.6     | 4.8  | ----- | 3.6      | 8.1  | ----- |
| Cholecystectomy.....                       | 11              | 27.3                | 2.6  | ----- | 27.3    | 4.4  | ----- | 27.3     | 5.5  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 1.0  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KIRKSVILLE OSTEOPATHIC HEALTH CENTER

Medicare Provider Number: 260022

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 17.9 %  
Transferred from skilled nursing facility..... 4.9 %  
Admitted for elective procedure..... 0.7 %  
Admitted for emergency..... 7.9 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 48.3 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 21.3 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 9.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 39.3%  
State..... 56.9%  
Outside State..... 3.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.6 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 228  
Occupancy Rate..... 68.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges..... 37.9 %  
Case Mix Index (CMI)..... 1.3458

### STAFFING:

Total Number of Physicians..... 80  
Percent of Physicians Board  
Certified Specialists..... 63.8 %  
Medical Residents/Interns..... 24  
Registered Nurses..... 109  
Licensed Practical Nurses..... 53

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAFAYETTE REGIONAL HEALTH CENTER

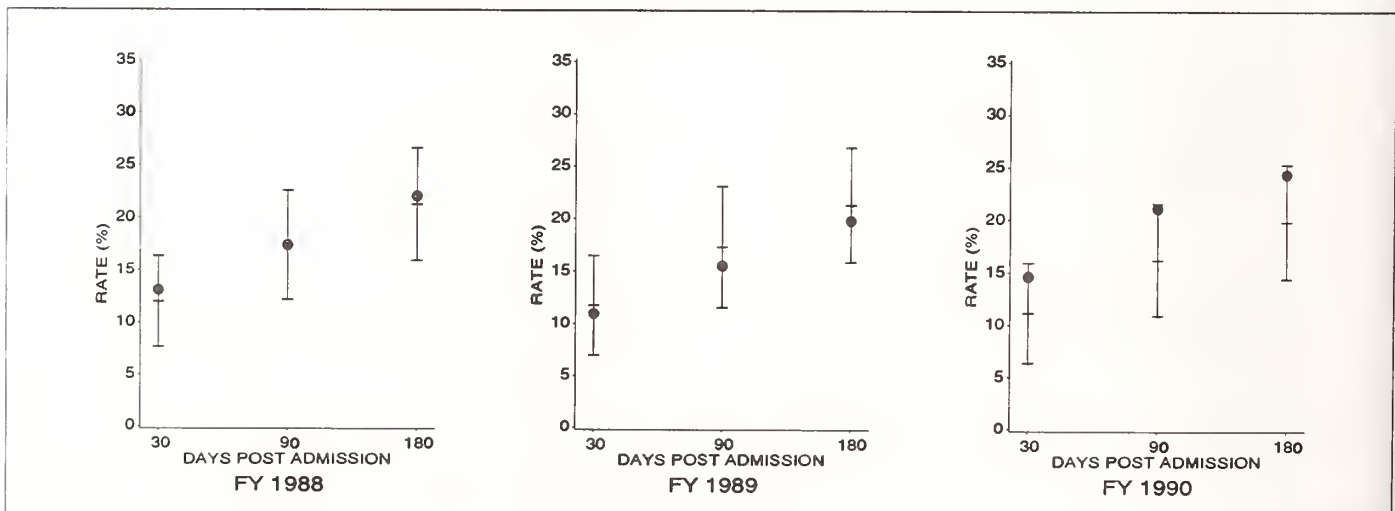
15TH & STATE ST  
LEXINGTON, MO 64067  
Medicare Provider Number: 260063

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 412                | 14.6                | 11.1 | 2.4  | 21.1    | 16.2 | 2.7  | 24.3     | 19.8 | 2.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 12                 | 41.7                | 33.5 | ---- | 41.7    | 35.7 | ---- | 41.7     | 38.1 | ---- |
| Congestive Heart Failure.....              | 32                 | 25.0                | 12.9 | ---- | 37.5    | 20.3 | ---- | 46.9     | 26.3 | ---- |
| Pneumonia/Influenza.....                   | 58                 | 32.8                | 15.7 | 9.1  | 37.9    | 21.6 | 9.1  | 37.9     | 25.4 | 8.3  |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 7.7                 | 10.7 | ---- | 15.4    | 18.1 | ---- | 15.4     | 23.2 | ---- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.7  | ---- | 10.0    | 4.0  | ---- | 20.0     | 6.8  | ---- |
| Stroke.....                                | 19                 | 21.1                | 20.8 | ---- | 21.1    | 26.3 | ---- | 21.1     | 30.0 | ---- |
| Hip Fracture.....                          | 7                  | 0.0                 | 8.9  | ---- | 14.3    | 15.6 | ---- | 14.3     | 20.9 | ---- |
| Sepsis.....                                | 5                  | 0.0                 | 29.0 | ---- | 20.0    | 38.0 | ---- | 60.0     | 43.0 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 3.3  | ---- | 0.0     | 6.7  | ---- | 0.0      | 10.6 | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2                  | 0.0                 | 3.2  | ---- | 0.0     | 6.7  | ---- | 0.0      | 10.0 | ---- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 9.8  | ---- | 20.0    | 17.6 | ---- | 20.0     | 23.7 | ---- |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.8  | ---- | 0.0     | 2.2  | ---- | 0.0      | 4.1  | ---- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.3  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.0  | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LAFAYETTE REGIONAL HEALTH CENTER

Medicare Provider Number: 260063

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 60.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.5 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 28.6 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 41.5 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 16.7 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.6%  
State ..... 18.9%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 35  
Occupancy Rate ..... 54.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 55.5 %  
Case Mix Index (CMI) ..... 1.0780

### STAFFING:

Total Number of Physicians..... 13  
Percent of Physicians Board  
Certified Specialists..... 23.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 33  
Licensed Practical Nurses..... 16

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKE OF THE OZARKS GENERAL HOSPITAL

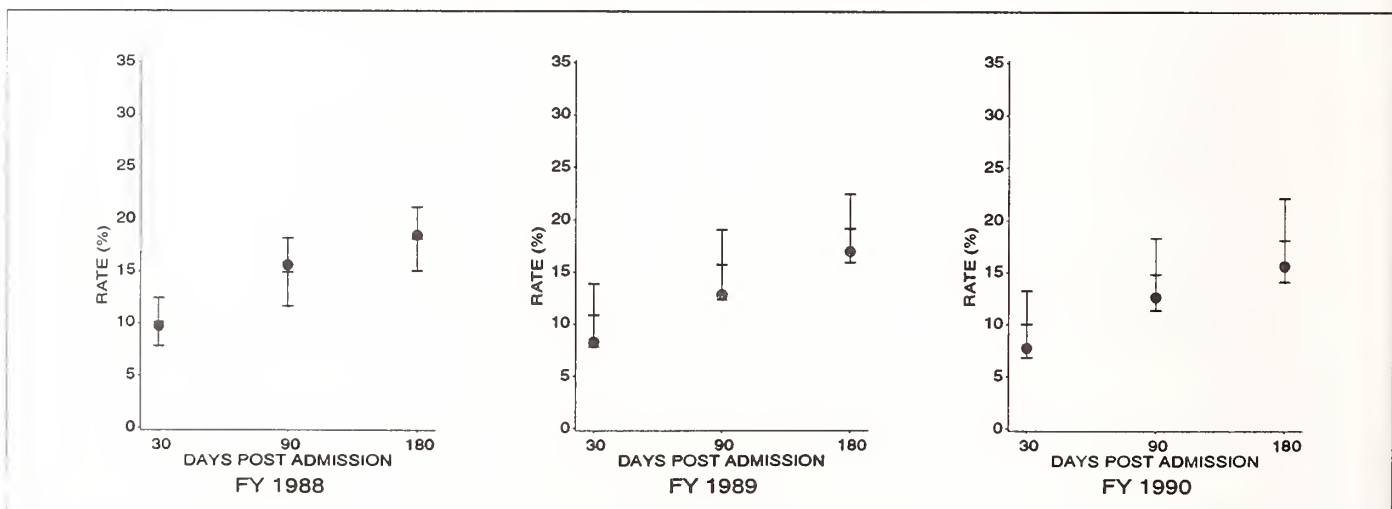
P O BOX 187CB  
OSAGE BEACH, MO 65065  
Medicare Provider Number: 260186

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 820             | 7.7                 | 10.0 | 1.6   | 12.6    | 14.8 | 1.8   | 15.6     | 18.1 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 33.3                | 23.7 | ----- | 44.4    | 28.1 | ----- | 50.0     | 31.9 | ----- |
| Congestive Heart Failure.....              | 37              | 5.4                 | 14.9 | ----- | 10.8    | 23.5 | ----- | 18.9     | 30.2 | ----- |
| Pneumonia/Influenza.....                   | 67              | 13.4                | 13.5 | 4.2   | 17.9    | 18.7 | 4.9   | 22.4     | 22.1 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 41              | 2.4                 | 7.7  | ----- | 2.4     | 13.0 | ----- | 2.4      | 16.7 | ----- |
| Transient Cerebral Ischemia.....           | 18              | 0.0                 | 1.8  | ----- | 5.6     | 4.1  | ----- | 5.6      | 6.9  | ----- |
| Stroke.....                                | 36              | 13.9                | 23.2 | ----- | 22.2    | 29.8 | ----- | 27.8     | 33.6 | ----- |
| Hip Fracture.....                          | 34              | 2.9                 | 6.4  | ----- | 5.9     | 11.0 | ----- | 8.8      | 14.4 | ----- |
| Sepsis.....                                | 21              | 14.3                | 29.3 | ----- | 33.3    | 35.6 | ----- | 38.1     | 39.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.6  | ----- |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 2.9  | ----- | 11.1    | 5.6  | ----- | 16.7     | 7.8  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 5.9                 | 7.7  | ----- | 5.9     | 13.5 | ----- | 11.8     | 17.8 | ----- |
| Prostatectomy.....                         | 25              | 0.0                 | 0.6  | ----- | 4.0     | 1.4  | ----- | 8.0      | 2.5  | ----- |
| Cholecystectomy.....                       | 11              | 0.0                 | 1.5  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.8  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKE OF THE OZARKS GENERAL HOSPITAL

Medicare Provider Number: 260186

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.9 years  
Proportion female..... 53.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 17.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 13.2 %  
Admitted for emergency..... 62.7 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 28.9 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 52.5%  
State..... 43.4%  
Outside State..... 4.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.3 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 90  
Occupancy Rate..... 42.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 40.7 %  
Case Mix Index (CMI)..... 1.1519

### STAFFING:

Total Number of Physicians..... 41  
Percent of Physicians Board  
Certified Specialists..... 39.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 94  
Licensed Practical Nurses..... 12

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKELAND REGIONAL HOSPITAL

440 S MARKET ST  
SPRINGFIELD, MO 65806  
Medicare Provider Number: 260041

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 5                  | 0.0                 | 4.5  | ---- | 0.0     | 10.6 | ---- | 0.0      | 16.4 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 0                  |                     |      |      |         |      |      |          |      |      |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# LAKELAND REGIONAL HOSPITAL

Medicare Provider Number: 260041

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 64.6 years  
Proportion female..... 20.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 60.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 20.0 %

### COMORBIDITIES:

Cancer..... 20.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 60.0 %  
Cerebrovascular degeneration..... 40.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 57.1%  
State ..... 28.6%  
Outside State ..... 14.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 15.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 149  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 16.8 %  
Case Mix Index (CMI) ..... 0.8982

### STAFFING:

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists ..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 35  
Licensed Practical Nurses ..... 9

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKESIDE HOSPITAL

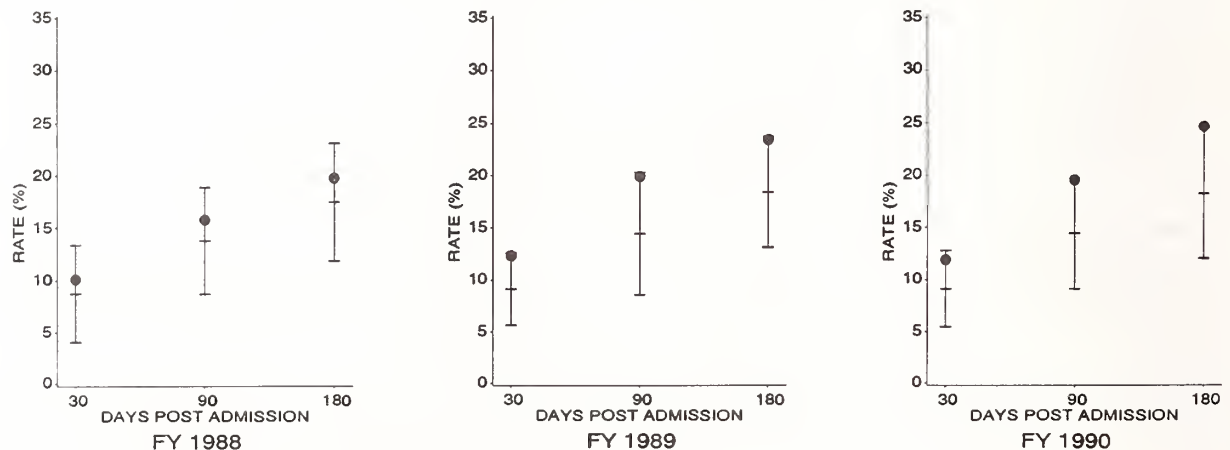
8701 TROOST AVE  
KANSAS CITY, MO 64131  
Medicare Provider Number: 260016

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 354             | 11.9                | 9.1  | 1.8   | 19.5    | 14.4 | 2.7   | 24.6     | 18.2 | 3.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9               | 33.3                | 26.2 | ----- | 33.3    | 28.8 | ----- | 33.3     | 31.0 | ----- |
| Congestive Heart Failure.....              | 20              | 15.0                | 14.5 | ----- | 20.0    | 23.5 | ----- | 25.0     | 29.4 | ----- |
| Pneumonia/Influenza.....                   | 24              | 0.0                 | 11.5 | ----- | 8.3     | 15.8 | ----- | 12.5     | 19.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 12              | 0.0                 | 5.9  | ----- | 16.7    | 10.8 | ----- | 25.0     | 14.4 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 2.3  | ----- | 0.0     | 4.8  | ----- | 0.0      | 7.5  | ----- |
| Stroke.....                                | 18              | 22.2                | 16.7 | ----- | 33.3    | 23.0 | ----- | 38.9     | 26.9 | ----- |
| Hip Fracture.....                          | 6               | 0.0                 | 5.7  | ----- | 16.7    | 10.2 | ----- | 16.7     | 13.4 | ----- |
| Sepsis.....                                | 9               | 33.3                | 17.9 | ----- | 44.4    | 23.3 | ----- | 44.4     | 26.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 3.5  | ----- | 0.0     | 7.1  | ----- | 0.0      | 10.1 | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 5.4  | ----- | 50.0    | 10.2 | ----- | 50.0     | 13.0 | ----- |
| Prostatectomy.....                         | 10              | 0.0                 | 1.4  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.9  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 1.2  | ----- | 20.0    | 2.3  | ----- | 20.0     | 3.0  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**LAKESIDE HOSPITAL**  
Medicare Provider Number: 260016

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 72.7 years  
Proportion female..... 58.5 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 95.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.7 %  
Admitted for emergency..... 92.4 %

**COMORBIDITIES:**

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 33.9 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 16.9 %  
Cerebrovascular degeneration..... 10.2 %  
Diabetes mellitus..... 7.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 79.9%  
State ..... 12.4%  
Outside State ..... 7.7%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 102  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 46.2 %  
Case Mix Index (CMI) ..... 1.1045

**STAFFING:**

Total Number of Physicians..... 46  
Percent of Physicians Board  
Certified Specialists ..... 54.3 %  
Medical Residents/Interns ..... 14  
Registered Nurses..... 63  
Licensed Practical Nurses ..... 17

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LEES SUMMIT HOSPITAL

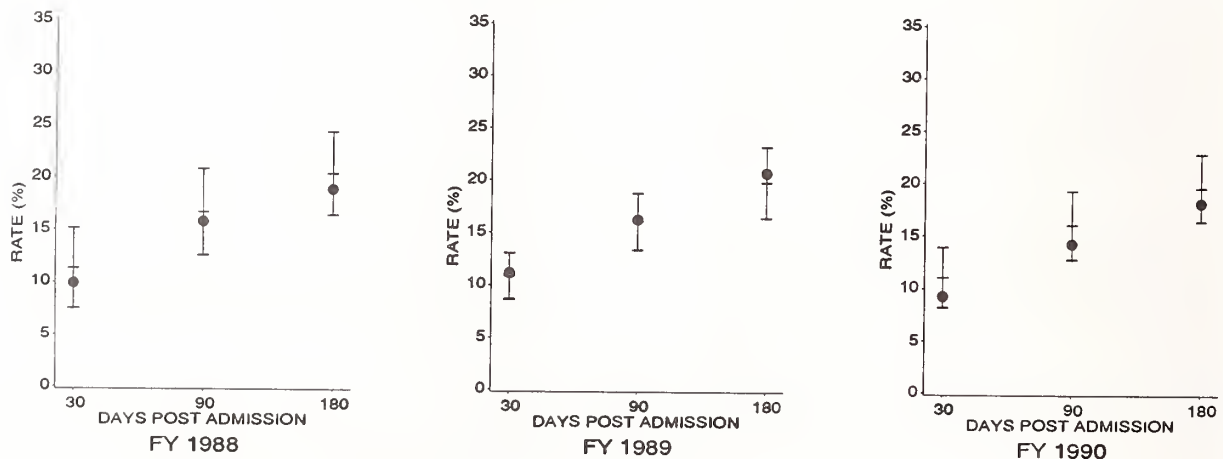
530 N MURRAY RD  
LEES SUMMIT, MO 64063  
Medicare Provider Number: 260190

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1067            | 9.2                 | 11.0 | 1.4   | 14.2    | 16.0 | 1.6   | 18.1     | 19.6 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 28              | 25.0                | 34.9 | ----- | 28.6    | 37.7 | ----- | 28.6     | 40.8 | ----- |
| Congestive Heart Failure.....              | 82              | 15.9                | 15.5 | 4.5   | 23.2    | 24.1 | 4.9   | 23.2     | 30.3 | 6.0   |
| Pneumonia/Influenza.....                   | 83              | 10.8                | 18.3 | 6.5   | 14.5    | 24.8 | 7.8   | 21.7     | 28.7 | 7.8   |
| Chronic Obstructive Pulmonary Disease..... | 16              | 12.5                | 8.1  | ----- | 25.0    | 14.8 | ----- | 31.3     | 20.2 | ----- |
| Transient Cerebral Ischemia.....           | 22              | 4.5                 | 1.8  | ----- | 9.1     | 4.1  | ----- | 13.6     | 6.6  | ----- |
| Stroke.....                                | 47              | 12.8                | 22.6 | ----- | 21.3    | 28.3 | ----- | 25.5     | 32.1 | ----- |
| Hip Fracture.....                          | 42              | 7.1                 | 7.0  | ----- | 9.5     | 12.4 | ----- | 9.5      | 16.0 | ----- |
| Sepsis.....                                | 15              | 40.0                | 26.8 | ----- | 40.0    | 39.0 | ----- | 40.0     | 44.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 12.5                | 4.3  | ----- | 25.0    | 9.5  | ----- | 25.0     | 14.0 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 21              | 0.0                 | 5.6  | ----- | 0.0     | 10.1 | ----- | 0.0      | 13.1 | ----- |
| Open Reduction of Hip Fracture.....        | 20              | 5.0                 | 5.7  | ----- | 10.0    | 10.4 | ----- | 10.0     | 13.9 | ----- |
| Prostatectomy.....                         | 30              | 6.7                 | 1.3  | ----- | 6.7     | 3.1  | ----- | 10.0     | 5.1  | ----- |
| Cholecystectomy.....                       | 14              | 7.1                 | 2.2  | ----- | 7.1     | 4.1  | ----- | 7.1      | 5.5  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 1.8  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**LEES SUMMIT HOSPITAL**  
Medicare Provider Number: 260190

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 79.7 years  
Proportion female..... 68.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 35.3 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 3.1 %  
Admitted for emergency..... 66.6 %

**COMORBIDITIES:**

Cancer..... 3.7 %  
Chronic cardiovascular disease..... 38.1 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 3.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 81.6%  
State ..... 13.9%  
Outside State ..... 4.5%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 7.2 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 92  
Occupancy Rate ..... 48.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 60.4 %  
Case Mix Index (CMI) ..... 1.1379

**STAFFING:**

Total Number of Physicians..... 95  
Percent of Physicians Board  
Certified Specialists..... 73.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 72  
Licensed Practical Nurses ..... 10

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

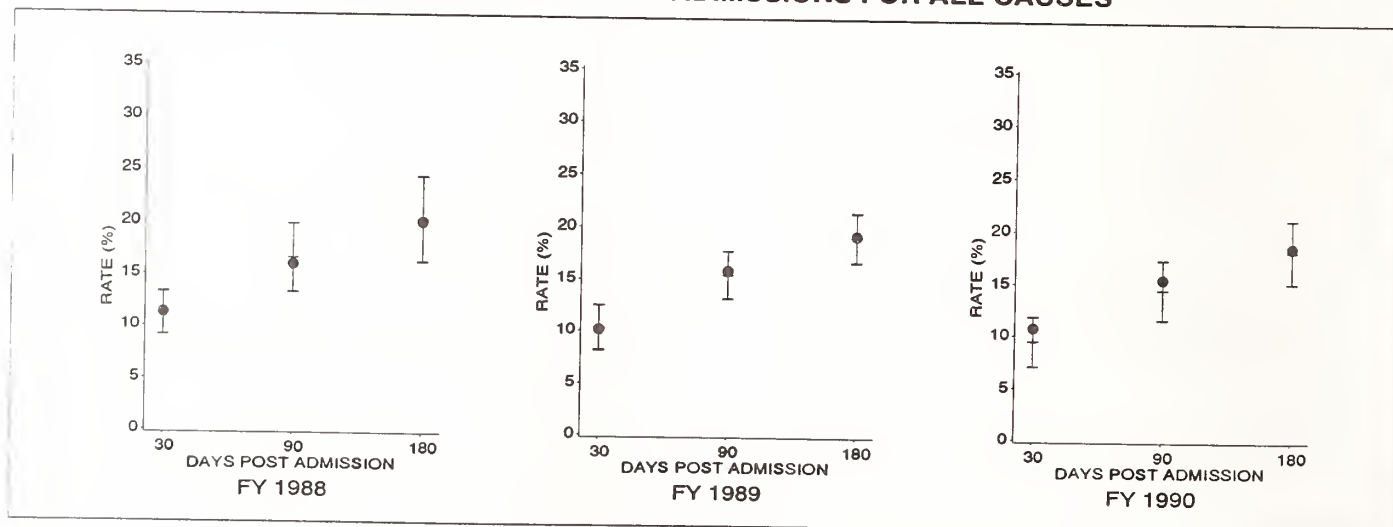
**LIBERTY HOSPITAL**  
2525 GLENN HENDREN DR  
LIBERTY, MO 64068  
Medicare Provider Number: 260177

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1445            | 10.7                | 9.4  | 1.2   | 15.4    | 14.4 | 1.4   | 18.5     | 18.1 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 18.5                | 26.0 | ----- | 18.5    | 29.3 | ----- | 18.5     | 32.2 | ----- |
| Congestive Heart Failure.....              | 53              | 22.6                | 14.7 | 7.7   | 26.4    | 22.9 | 7.1   | 30.2     | 29.4 | 8.0   |
| Pneumonia/Influenza.....                   | 108             | 25.9                | 18.0 | 5.9   | 30.6    | 24.8 | 5.6   | 33.3     | 29.0 | 5.5   |
| Chronic Obstructive Pulmonary Disease..... | 29              | 0.0                 | 7.5  | ----- | 3.4     | 13.2 | ----- | 13.8     | 17.3 | ----- |
| Transient Cerebral Ischemia.....           | 27              | 0.0                 | 2.1  | ----- | 3.7     | 4.6  | ----- | 3.7      | 7.3  | ----- |
| Stroke.....                                | 68              | 13.2                | 17.6 | 5.9   | 26.5    | 24.0 | 5.5   | 26.5     | 27.9 | 5.5   |
| Hip Fracture.....                          | 91              | 12.1                | 7.3  | 5.7   | 18.7    | 12.9 | 7.3   | 23.1     | 16.8 | 7.3   |
| Sepsis.....                                | 8               | 37.5                | 31.4 | ----- | 50.0    | 39.3 | ----- | 62.5     | 43.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 7.1                 | 4.8  | ----- | 14.3    | 9.7  | ----- | 14.3     | 13.7 | ----- |
| Carotid Endarterectomy.....                | 16              | 0.0                 | 2.0  | ----- | 6.3     | 3.6  | ----- | 12.5     | 5.0  | ----- |
| Hip Replacement/Reconstruction.....        | 48              | 6.3                 | 4.8  | ----- | 8.3     | 8.5  | ----- | 14.6     | 11.0 | ----- |
| Open Reduction of Hip Fracture.....        | 57              | 12.3                | 6.0  | 6.2   | 19.3    | 11.1 | 7.7   | 21.1     | 15.1 | 7.2   |
| Prostatectomy.....                         | 65              | 0.0                 | 1.1  | 1.5   | 0.0     | 2.6  | 2.7   | 0.0      | 4.3  | 4.0   |
| Cholecystectomy.....                       | 36              | 5.6                 | 2.8  | ----- | 8.3     | 5.1  | ----- | 8.3      | 6.6  | ----- |
| Hysterectomy.....                          | 14              | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**LIBERTY HOSPITAL**  
Medicare Provider Number: 260177

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.3 years  
Proportion female..... 57.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 38.8 %  
Transferred from skilled nursing facility..... 11.1 %  
Admitted for elective procedure..... 23.5 %  
Admitted for emergency..... 73.4 %

**COMORBIDITIES:**

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 30.5 %  
Chronic liver disease..... 0.1 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 14.5 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 7.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 45.9%  
State ..... 51.2%  
Outside State ..... 2.9%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 171  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 45.8 %  
Case Mix Index (CMI) ..... 1.2792

**STAFFING:**

Total Number of Physicians..... 69  
Percent of Physicians Board  
Certified Specialists..... 84.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 162  
Licensed Practical Nurses ..... 14

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LINCOLN COUNTY MEMORIAL HOSPITAL

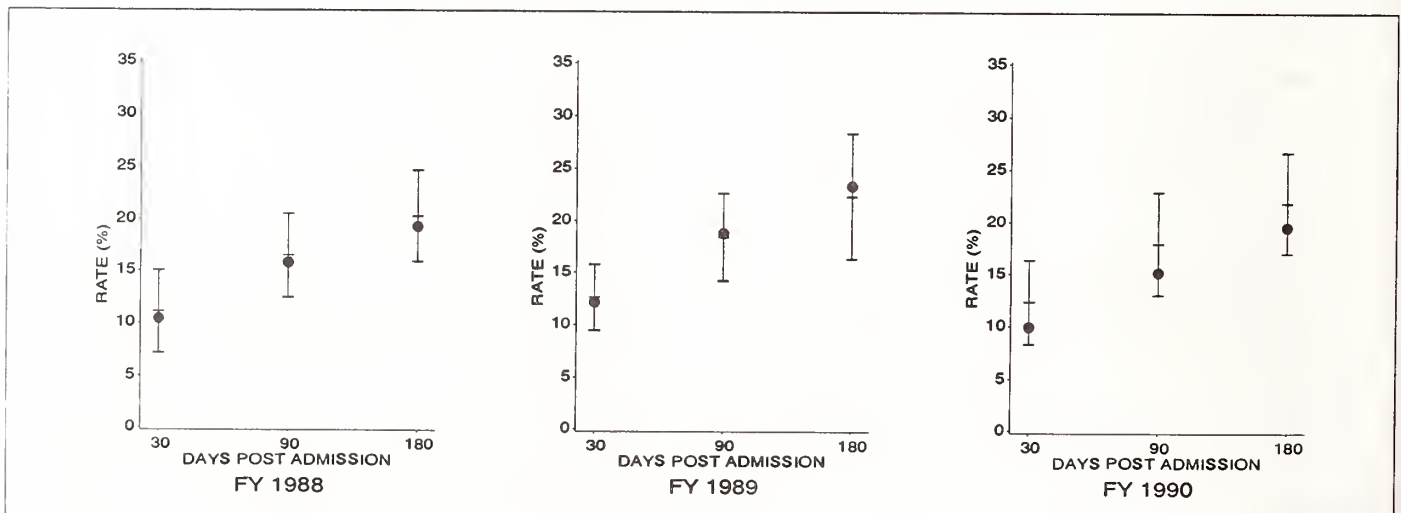
1000 E CHERRY  
TROY, MO 63379  
Medicare Provider Number: 260134

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 544             | 9.9                 | 12.3 | 2.0   | 15.1    | 17.9 | 2.5   | 19.5     | 21.8 | 2.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 18.2                | 32.9 | ----- | 27.3    | 35.4 | ----- | 36.4     | 38.3 | ----- |
| Congestive Heart Failure.....              | 35              | 8.6                 | 15.4 | ----- | 20.0    | 24.0 | ----- | 20.0     | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 87              | 11.5                | 21.2 | 5.7   | 14.9    | 28.2 | 6.5   | 19.5     | 32.5 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 6.9  | ----- | 0.0     | 10.8 | ----- | 0.0      | 14.4 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 7.7                 | 2.3  | ----- | 15.4    | 5.2  | ----- | 15.4     | 8.3  | ----- |
| Stroke.....                                | 14              | 28.6                | 22.0 | ----- | 28.6    | 28.6 | ----- | 42.9     | 32.9 | ----- |
| Hip Fracture.....                          | 11              | 0.0                 | 6.6  | ----- | 9.1     | 12.1 | ----- | 9.1      | 15.9 | ----- |
| Sepsis.....                                | 2               | 50.0                | 32.4 | ----- | 50.0    | 35.8 | ----- | 50.0     | 39.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 20.0                | 3.3  | ----- | 20.0    | 6.2  | ----- | 20.0     | 9.0  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 3.1  | ----- | 0.0     | 5.6  | ----- | 0.0      | 8.2  | ----- |
| Hip Replacement/Reconstruction.....        | 7               | 14.3                | 4.5  | ----- | 14.3    | 8.7  | ----- | 14.3     | 11.5 | ----- |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 7.8  | ----- | 16.7    | 14.4 | ----- | 16.7     | 19.1 | ----- |
| Prostatectomy.....                         | 17              | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.7  | ----- |
| Cholecystectomy.....                       | 13              | 0.0                 | 4.0  | ----- | 0.0     | 6.7  | ----- | 0.0      | 8.3  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LINCOLN COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260134

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.5 years |
| Proportion female.....        | 57.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 30.3 % |
| Transferred from skilled nursing facility..... | 11.9 % |
| Admitted for elective procedure.....           | 12.5 % |
| Admitted for emergency.....                    | 65.6 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.0 %  |
| Chronic cardiovascular disease..... | 30.1 % |
| Chronic liver disease.....          | 1.1 %  |
| Chronic renal disease.....          | 4.4 %  |
| Chronic pulmonary disease.....      | 12.1 % |
| Cerebrovascular degeneration.....   | 3.3 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 73.2%  |
| State .....         | 24.7%  |
| Outside State ..... | 2.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.8 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 64               |
| Occupancy Rate .....       | 48.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 49.9 %           |
| Case Mix Index (CMI) ..... | 1.2166           |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 29     |
| Percent of Physicians Board<br>Certified Specialists..... | 65.5 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 46     |
| Licensed Practical Nurses .....                           | 25     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

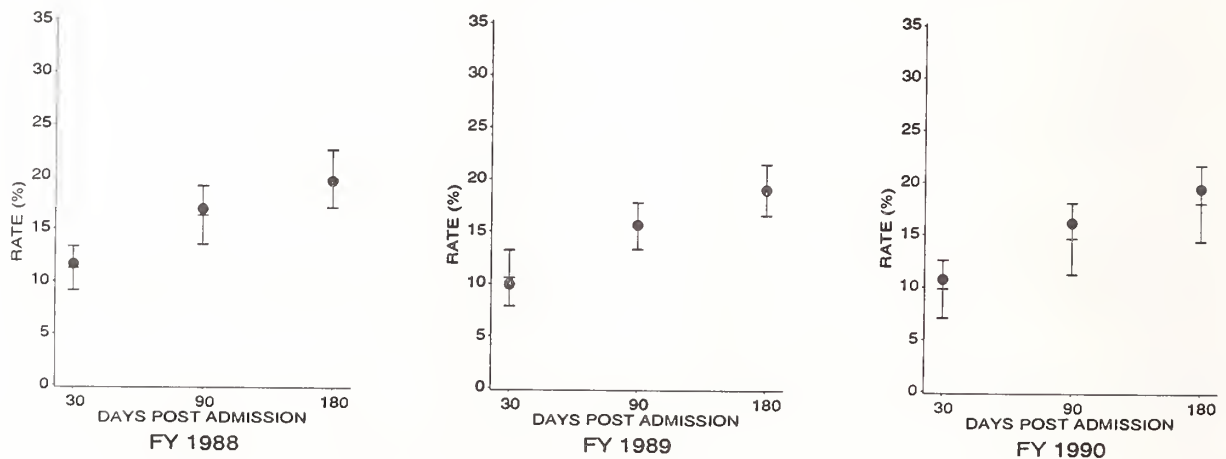
**LUCY LEE HOSPITAL**  
 2620 NORTH WESTWOOD BLVD  
 POPLAR BLUFF, MO 63901  
 Medicare Provider Number: 260120

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1221            | 10.7                | 9.8  | 1.4  | 16.1    | 14.6 | 1.7  | 19.4     | 18.0 | 1.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 32              | 31.3                | 31.9 | ---- | 43.8    | 35.2 | ---- | 43.8     | 38.0 | ---- |
| Congestive Heart Failure.....              | 59              | 11.9                | 13.6 | 5.2  | 20.3    | 21.3 | 5.4  | 28.8     | 27.0 | 6.0  |
| Pneumonia/Influenza.....                   | 95              | 14.7                | 13.9 | 3.7  | 20.0    | 19.2 | 4.1  | 21.1     | 23.0 | 4.6  |
| Chronic Obstructive Pulmonary Disease..... | 25              | 12.0                | 7.3  | ---- | 12.0    | 12.2 | ---- | 12.0     | 16.2 | ---- |
| Transient Cerebral Ischemia.....           | 22              | 0.0                 | 1.5  | ---- | 0.0     | 3.3  | ---- | 0.0      | 5.4  | ---- |
| Stroke.....                                | 52              | 17.3                | 17.7 | 5.5  | 23.1    | 23.6 | 6.2  | 30.8     | 27.0 | 6.9  |
| Hip Fracture.....                          | 33              | 9.1                 | 5.6  | ---- | 12.1    | 10.1 | ---- | 15.2     | 13.2 | ---- |
| Sepsis.....                                | 13              | 7.7                 | 31.7 | ---- | 15.4    | 42.0 | ---- | 23.1     | 47.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 2.3  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.3  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 25              | 8.0                 | 3.5  | ---- | 8.0     | 6.7  | ---- | 8.0      | 9.1  | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 4.3  | ---- | 9.1     | 7.8  | ---- | 18.2     | 10.5 | ---- |
| Prostatectomy.....                         | 26              | 3.8                 | 1.1  | ---- | 7.7     | 2.5  | ---- | 7.7      | 4.3  | ---- |
| Cholecystectomy.....                       | 33              | 9.1                 | 3.4  | ---- | 15.2    | 5.6  | ---- | 15.2     | 6.9  | ---- |
| Hysterectomy.....                          | 25              | 4.0                 | 2.0  | ---- | 4.0     | 4.2  | ---- | 8.0      | 6.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**LUCY LEE HOSPITAL**  
Medicare Provider Number: 260120

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.7 years  
Proportion female..... 60.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 37.0 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 18.9 %  
Admitted for emergency..... 17.7 %

**COMORBIDITIES:**

Cancer..... 7.9 %  
Chronic cardiovascular disease..... 43.2 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 20.6 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 8.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 44.5%  
State ..... 52.4%  
Outside State ..... 3.1%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 164  
Occupancy Rate ..... 56.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 39.6 %  
Case Mix Index (CMI) ..... 1.1890

**STAFFING:**

Total Number of Physicians..... 39  
Percent of Physicians Board  
Certified Specialists..... 64.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 74  
Licensed Practical Nurses ..... 61

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LUTHERAN MEDICAL CENTER

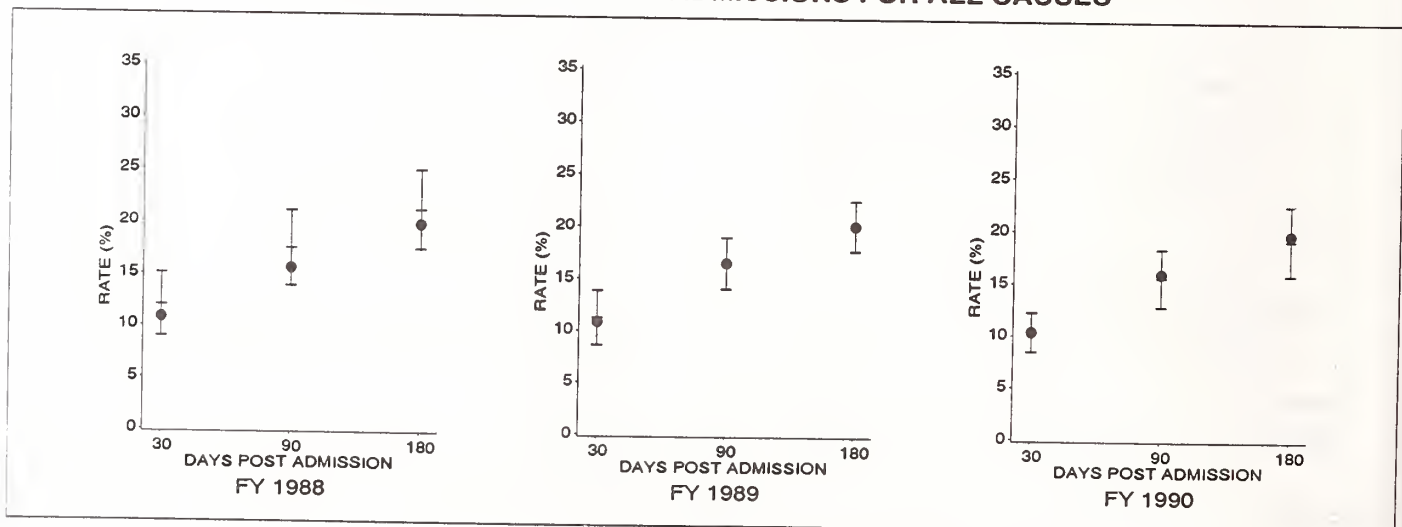
2639 MIAMI ST  
ST LOUIS, MO 63118  
Medicare Provider Number: 260002

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1092               | 10.3                | 10.3 | 1.0  | 15.9    | 15.5 | 1.4  | 19.6     | 19.1 | 1.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 46                 | 32.6                | 29.9 | ---- | 43.5    | 33.8 | ---- | 50.0     | 37.3 | ---- |
| Congestive Heart Failure.....              | 74                 | 5.4                 | 12.4 | 7.3  | 16.2    | 19.8 | 8.8  | 23.0     | 25.6 | 8.5  |
| Pneumonia/Influenza.....                   | 93                 | 9.7                 | 15.5 | 5.1  | 20.4    | 21.2 | 4.6  | 23.7     | 25.0 | 4.8  |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 7.7                 | 6.0  | ---- | 15.4    | 11.4 | ---- | 15.4     | 15.7 | ---- |
| Transient Cerebral Ischemia.....           | 20                 | 5.0                 | 1.6  | ---- | 10.0    | 3.6  | ---- | 20.0     | 6.0  | ---- |
| Stroke.....                                | 71                 | 19.7                | 17.1 | 5.1  | 29.6    | 23.5 | 5.9  | 36.6     | 27.1 | 6.9  |
| Hip Fracture.....                          | 35                 | 8.6                 | 5.9  | ---- | 17.1    | 10.5 | ---- | 17.1     | 13.6 | ---- |
| Sepsis.....                                | 15                 | 40.0                | 29.3 | ---- | 40.0    | 36.3 | ---- | 40.0     | 40.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7                  | 0.0                 | 5.3  | ---- | 0.0     | 9.5  | ---- | 14.3     | 12.8 | ---- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.1  | ---- |
| Hip Replacement/Reconstruction.....        | 22                 | 0.0                 | 5.5  | ---- | 9.1     | 11.0 | ---- | 13.6     | 15.0 | ---- |
| Open Reduction of Hip Fracture.....        | 18                 | 11.1                | 5.5  | ---- | 22.2    | 9.7  | ---- | 22.2     | 12.7 | ---- |
| Prostatectomy.....                         | 22                 | 0.0                 | 1.3  | ---- | 0.0     | 3.1  | ---- | 4.5      | 5.1  | ---- |
| Cholecystectomy.....                       | 18                 | 0.0                 | 1.8  | ---- | 5.6     | 3.6  | ---- | 11.1     | 4.9  | ---- |
| Hysterectomy.....                          | 6                  | 0.0                 | 1.3  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LUTHERAN MEDICAL CENTER

Medicare Provider Number: 260002

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.0 years |
| Proportion female.....        | 66.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.2 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 15.3 % |
| Admitted for emergency.....                    | 53.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.8 %  |
| Chronic cardiovascular disease..... | 33.1 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 2.4 %  |
| Chronic pulmonary disease.....      | 16.4 % |
| Cerebrovascular degeneration.....   | 10.5 % |
| Diabetes mellitus.....              | 7.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 74.1%  |
| State .....         | 23.7%  |
| Outside State ..... | 2.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |           |
|----------------|-----------|
| Hospital ..... | 10.2 Days |
| State .....    | 8.4 Days  |
| National ..... | 8.6 Days  |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 309                 |
| Occupancy Rate .....       | 51.0 %              |
| Ownership/Control.....     | Private, For Profit |
| Medicare Discharges .....  | 45.5 %              |
| Case Mix Index (CMI) ..... | 1.3147              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 120    |
| Percent of Physicians Board<br>Certified Specialists ..... | 60.8 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses .....                                    | 135    |
| Licensed Practical Nurses .....                            | 64     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MADISON MEMORIAL HOSPITAL

100 SOUTH WOOD AT WEST COLLEGE

FREDERICKTOWN, MO 63645

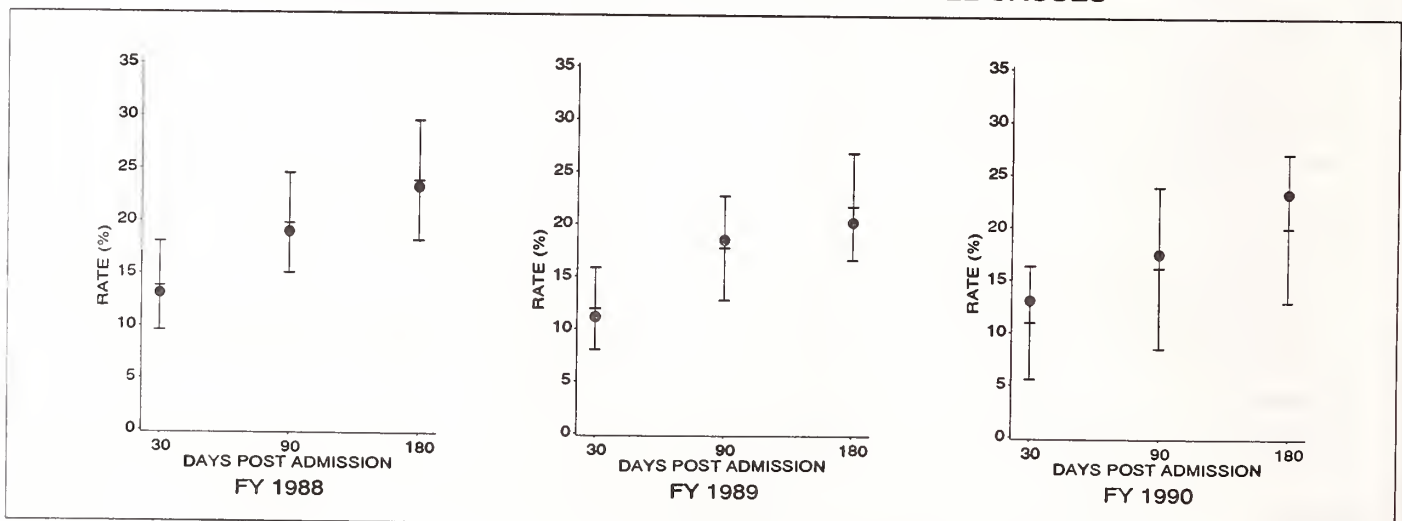
Medicare Provider Number: 260030

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 293                | 13.0                | 10.9 | 2.7  | 17.4    | 16.1 | 3.9  | 23.2     | 19.9 | 3.5  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 15                 | 20.0                | 21.2 | ---- | 20.0    | 24.1 | ---- | 20.0     | 26.9 | ---- |
| Congestive Heart Failure.....              | 27                 | 11.1                | 11.8 | ---- | 18.5    | 19.1 | ---- | 25.9     | 25.2 | ---- |
| Pneumonia/Influenza.....                   | 43                 | 18.6                | 14.8 | ---- | 30.2    | 20.5 | ---- | 32.6     | 24.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 8                  | 25.0                | 6.8  | ---- | 25.0    | 12.4 | ---- | 25.0     | 17.1 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 3.1  | ---- | 25.0    | 7.2  | ---- | 25.0     | 11.7 | ---- |
| Stroke.....                                | 14                 | 14.3                | 20.5 | ---- | 14.3    | 26.4 | ---- | 21.4     | 30.5 | ---- |
| Hip Fracture.....                          | 9                  | 0.0                 | 11.0 | ---- | 0.0     | 18.8 | ---- | 11.1     | 23.8 | ---- |
| Sepsis.....                                | 1                  | 100.0               | 45.9 | ---- | 100.0   | 53.3 | ---- | 100.0    | 57.9 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3                  | 0.0                 | 4.1  | ---- | 0.0     | 7.4  | ---- | 0.0      | 10.1 | ---- |
| Open Reduction of Hip Fracture.....        | 2                  | 0.0                 | 17.7 | ---- | 0.0     | 32.5 | ---- | 50.0     | 41.4 | ---- |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.8  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.4  | ---- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 2.3  | ---- | 0.0     | 4.0  | ---- | 0.0      | 5.1  | ---- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.2  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MADISON MEMORIAL HOSPITAL

Medicare Provider Number: 260030

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.7 years |
| Proportion female.....        | 58.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 30.0 % |
| Transferred from skilled nursing facility..... | 2.0 %  |
| Admitted for elective procedure.....           | 6.1 %  |
| Admitted for emergency.....                    | 2.4 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.2 %  |
| Chronic cardiovascular disease..... | 48.5 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 2.7 %  |
| Chronic pulmonary disease.....      | 33.8 % |
| Cerebrovascular degeneration.....   | 1.4 %  |
| Diabetes mellitus.....              | 7.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.3%  |
| State .....         | 19.0%  |
| Outside State ..... | 0.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.8 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 163              |
| Occupancy Rate .....       | 84.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 36.3 %           |
| Case Mix Index (CMI) ..... | 1.0870           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 7      |
| Percent of Physicians Board<br>Certified Specialists ..... | 57.1 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 18     |
| Licensed Practical Nurses .....                            | 11     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MCCUNE BROOKS HOSPITAL

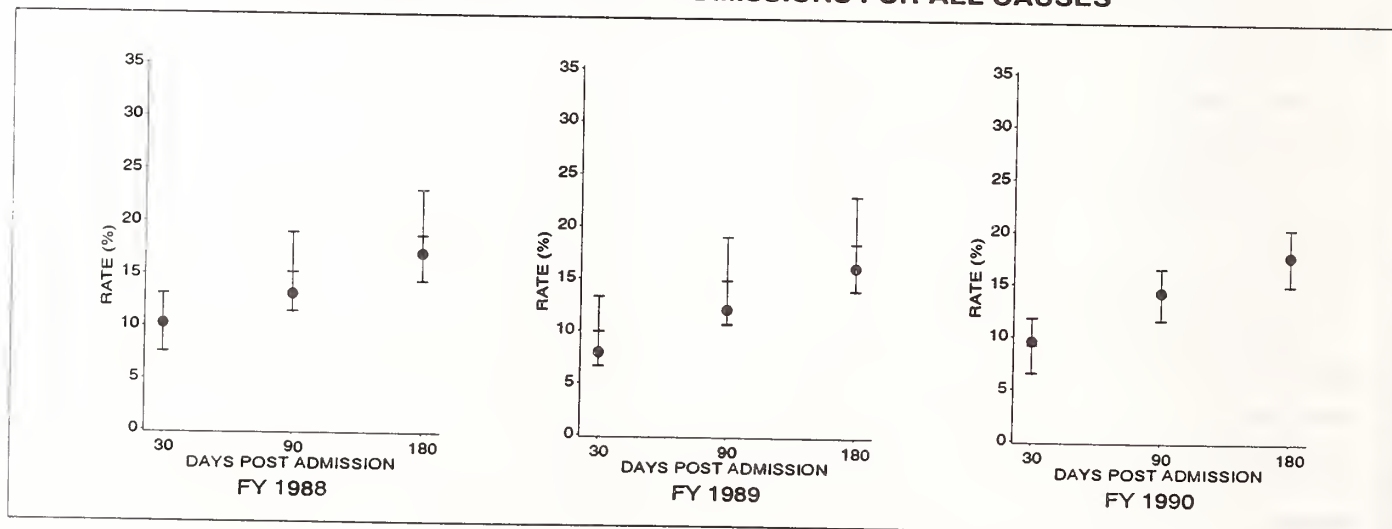
627 W CENTENNIAL ST  
CARTHAGE, MO 64836  
Medicare Provider Number: 260013

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 780             | 9.5                 | 9.1  | 1.3   | 14.2    | 14.0 | 1.3   | 17.7     | 17.6 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20              | 25.0                | 30.9 | ----- | 35.0    | 33.4 | ----- | 40.0     | 36.4 | ----- |
| Congestive Heart Failure.....              | 42              | 14.3                | 16.1 | ----- | 21.4    | 24.9 | ----- | 26.2     | 31.0 | ----- |
| Pneumonia/Influenza.....                   | 80              | 15.0                | 13.4 | 4.2   | 17.5    | 18.1 | 4.5   | 25.0     | 21.4 | 5.5   |
| Chronic Obstructive Pulmonary Disease..... | 35              | 2.9                 | 8.5  | ----- | 8.6     | 15.4 | ----- | 14.3     | 20.7 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.5  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.4  | ----- |
| Stroke.....                                | 24              | 37.5                | 18.8 | ----- | 58.3    | 25.4 | ----- | 58.3     | 29.6 | ----- |
| Hip Fracture.....                          | 25              | 0.0                 | 7.6  | ----- | 8.0     | 13.5 | ----- | 12.0     | 17.7 | ----- |
| Sepsis.....                                | 6               | 33.3                | 34.8 | ----- | 33.3    | 42.7 | ----- | 33.3     | 47.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 6.2  | ----- | 0.0     | 11.4 | ----- | 0.0      | 15.4 | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 4.2  | ----- | 0.0     | 9.1  | ----- | 0.0      | 13.0 | ----- |
| Prostatectomy.....                         | 22              | 0.0                 | 1.1  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.8  | ----- |
| Cholecystectomy.....                       | 23              | 4.3                 | 1.9  | ----- | 4.3     | 3.8  | ----- | 4.3      | 5.3  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.4  | ----- | 0.0     | 1.1  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MCCUNE BROOKS HOSPITAL

Medicare Provider Number: 260013

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.6 years  
Proportion female..... 63.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 71.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 27.2 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 38.7 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 17.9 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 85.5%  
State..... 12.2%  
Outside State..... 2.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.5 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 68  
Occupancy Rate..... 47.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 56.8 %  
Case Mix Index (CMI)..... 1.0982

### STAFFING:

Total Number of Physicians..... 38  
Percent of Physicians Board  
Certified Specialists..... 50.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 57  
Licensed Practical Nurses..... 13

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEDICAL CENTER OF INDEPENDENCE

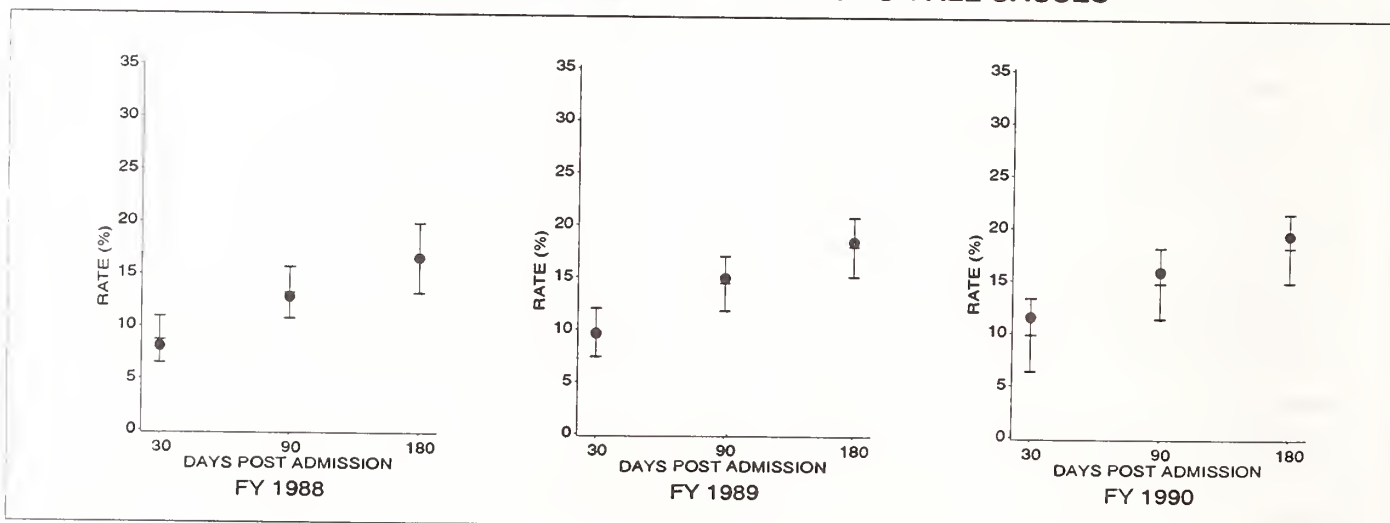
17203 E 23RD ST  
INDEPENDENCE, MO 64057  
Medicare Provider Number: 260166

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 715                | 11.5                | 9.8  | 1.7  | 15.8    | 14.7 | 1.7  | 19.3     | 18.1 | 1.6  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16                 | 43.8                | 34.1 | ---- | 43.8    | 37.5 | ---- | 43.8     | 40.7 | ---- |
| Congestive Heart Failure.....              | 29                 | 20.7                | 16.2 | ---- | 31.0    | 26.0 | ---- | 41.4     | 32.6 | ---- |
| Pneumonia/Influenza.....                   | 64                 | 20.3                | 15.5 | 7.4  | 25.0    | 21.6 | 8.0  | 28.1     | 25.1 | 6.8  |
| Chronic Obstructive Pulmonary Disease..... | 21                 | 9.5                 | 6.9  | ---- | 9.5     | 12.6 | ---- | 14.3     | 16.9 | ---- |
| Transient Cerebral Ischemia.....           | 9                  | 0.0                 | 2.5  | ---- | 11.1    | 5.6  | ---- | 11.1     | 8.9  | ---- |
| Stroke.....                                | 27                 | 25.9                | 22.2 | ---- | 29.6    | 28.6 | ---- | 33.3     | 32.4 | ---- |
| Hip Fracture.....                          | 19                 | 5.3                 | 5.8  | ---- | 5.3     | 10.2 | ---- | 15.8     | 12.9 | ---- |
| Sepsis.....                                | 5                  | 20.0                | 21.9 | ---- | 40.0    | 32.1 | ---- | 60.0     | 37.1 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 4                  | 0.0                 | 1.8  | ---- | 0.0     | 3.7  | ---- | 0.0      | 5.9  | ---- |
| Carotid Endarterectomy.....                | 3                  | 0.0                 | 2.3  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.1  | ---- |
| Hip Replacement/Reconstruction.....        | 13                 | 0.0                 | 3.2  | ---- | 0.0     | 6.1  | ---- | 7.7      | 8.2  | ---- |
| Open Reduction of Hip Fracture.....        | 8                  | 12.5                | 6.8  | ---- | 12.5    | 11.9 | ---- | 25.0     | 15.0 | ---- |
| Prostatectomy.....                         | 16                 | 0.0                 | 1.0  | ---- | 6.3     | 2.5  | ---- | 6.3      | 4.4  | ---- |
| Cholecystectomy.....                       | 21                 | 14.3                | 3.4  | ---- | 14.3    | 7.0  | ---- | 19.0     | 9.8  | ---- |
| Hysterectomy.....                          | 12                 | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEDICAL CENTER OF INDEPENDENCE

Medicare Provider Number: 260166

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.8 years |
| Proportion female.....        | 62.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 43.1 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.8 %  |
| Admitted for emergency.....                    | 63.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.1 %  |
| Chronic cardiovascular disease..... | 32.4 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 2.1 %  |
| Chronic pulmonary disease.....      | 18.7 % |
| Cerebrovascular degeneration.....   | 2.8 %  |
| Diabetes mellitus.....              | 8.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 78.7%  |
| State .....         | 17.6%  |
| Outside State ..... | 3.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.4 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 168                 |
| Occupancy Rate .....       | 35.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 28.3 %              |
| Case Mix Index (CMI) ..... | 1.2325              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 151    |
| Percent of Physicians Board<br>Certified Specialists ..... | 60.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 110    |
| Licensed Practical Nurses .....                            | 25     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL COMMUNITY HOSPITAL

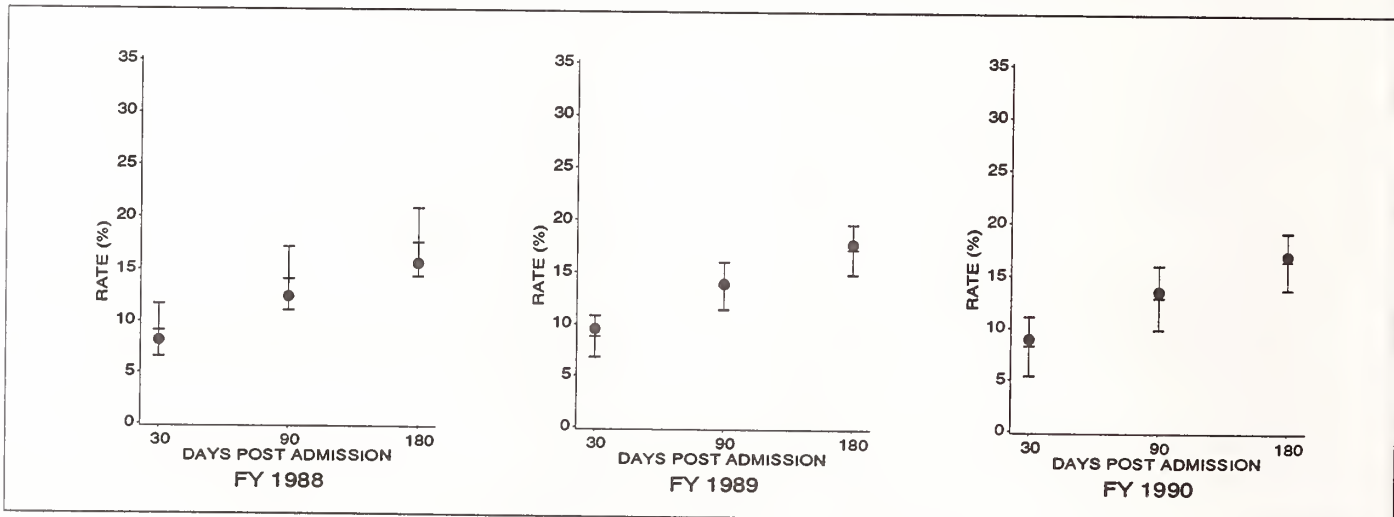
1432 SOUTHWEST BLVD  
JEFFERSON CITY, MO 65101  
Medicare Provider Number: 260047

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1275            | 8.9                 | 8.2  | 1.5   | 13.5    | 12.9 | 1.5   | 16.9     | 16.4 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 37              | 29.7                | 23.3 | ----- | 35.1    | 26.4 | ----- | 35.1     | 29.1 | ----- |
| Congestive Heart Failure.....              | 54              | 14.8                | 13.8 | 6.0   | 25.9    | 21.9 | 6.5   | 35.2     | 27.9 | 8.4   |
| Pneumonia/Influenza.....                   | 63              | 22.2                | 12.8 | 6.7   | 28.6    | 17.9 | 8.1   | 31.7     | 21.5 | 7.7   |
| Chronic Obstructive Pulmonary Disease..... | 22              | 4.5                 | 9.4  | ----- | 13.6    | 16.5 | ----- | 36.4     | 21.3 | ----- |
| Transient Cerebral Ischemia.....           | 20              | 5.0                 | 1.7  | ----- | 5.0     | 3.8  | ----- | 5.0      | 6.3  | ----- |
| Stroke.....                                | 60              | 16.7                | 17.3 | 5.1   | 18.3    | 23.7 | 7.5   | 21.7     | 27.7 | 7.9   |
| Hip Fracture.....                          | 45              | 4.4                 | 5.5  | ----- | 6.7     | 9.6  | ----- | 8.9      | 12.7 | ----- |
| Sepsis.....                                | 13              | 15.4                | 19.6 | ----- | 15.4    | 26.7 | ----- | 38.5     | 31.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 15              | 6.7                 | 4.0  | ----- | 6.7     | 5.3  | ----- | 6.7      | 6.4  | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 19              | 5.3                 | 3.1  | ----- | 5.3     | 5.9  | ----- | 10.5     | 8.4  | ----- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 1.8  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 29              | 0.0                 | 3.2  | ----- | 3.4     | 5.7  | ----- | 3.4      | 7.5  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 5.9                 | 5.2  | ----- | 5.9     | 9.6  | ----- | 11.8     | 13.0 | ----- |
| Prostatectomy.....                         | 37              | 0.0                 | 1.3  | ----- | 2.7     | 3.2  | ----- | 2.7      | 5.5  | ----- |
| Cholecystectomy.....                       | 32              | 3.1                 | 2.5  | ----- | 9.4     | 4.6  | ----- | 9.4      | 6.0  | ----- |
| Hysterectomy.....                          | 11              | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MEMORIAL COMMUNITY HOSPITAL

Medicare Provider Number: 260047

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.8 years |
| Proportion female.....        | 60.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 99.2 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 0.2 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.1 %  |
| Chronic cardiovascular disease..... | 50.1 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 1.6 %  |
| Chronic pulmonary disease.....      | 16.0 % |
| Cerebrovascular degeneration.....   | 3.9 %  |
| Diabetes mellitus.....              | 6.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 42.1%  |
| State .....         | 56.2%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.5 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 96                  |
| Occupancy Rate .....       | 55.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 61.5 %              |
| Case Mix Index (CMI) ..... | 1.2997              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 99     |
| Percent of Physicians Board<br>Certified Specialists..... | 66.7 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 86     |
| Licensed Practical Nurses .....                           | 35     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MENORAH MEDICAL CENTER

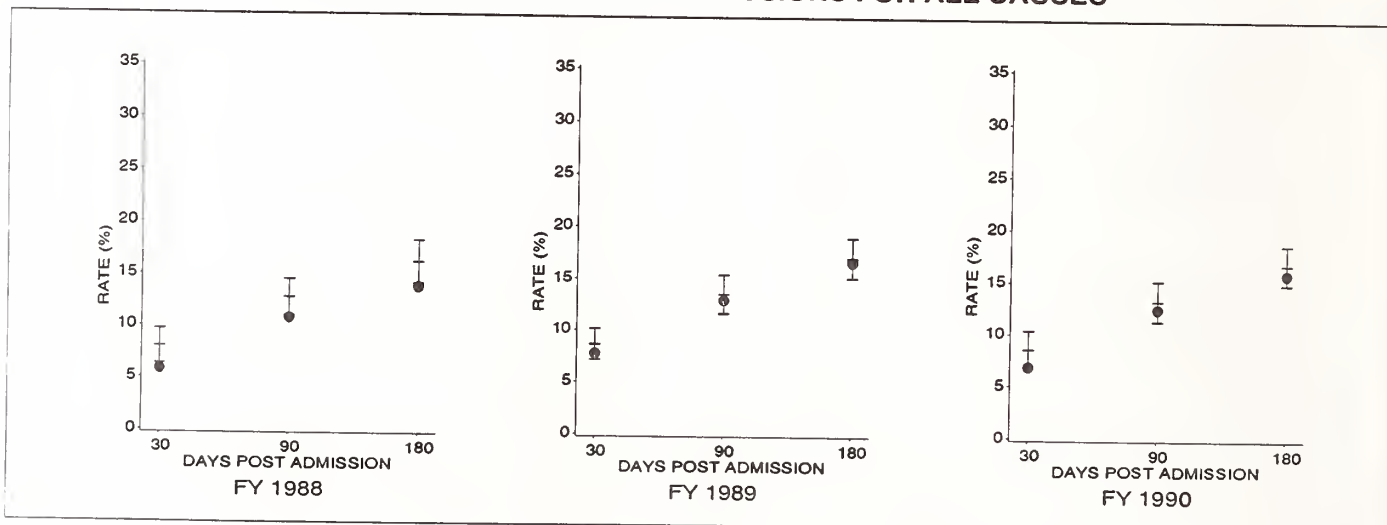
4949 ROCKHILL ROAD  
KANSAS CITY, MO 64110  
Medicare Provider Number: 260112

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1812            | 6.8                 | 8.5  | 0.9  | 12.4    | 13.2 | 1.0  | 15.8     | 16.7 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 41              | 22.0                | 25.6 | ---- | 26.8    | 28.5 | ---- | 29.3     | 31.2 | ---- |
| Congestive Heart Failure.....              | 79              | 8.9                 | 14.2 | 6.5  | 16.5    | 22.5 | 7.2  | 20.3     | 28.7 | 8.0  |
| Pneumonia/Influenza.....                   | 57              | 24.6                | 16.6 | 7.1  | 33.3    | 22.7 | 8.4  | 36.8     | 26.7 | 9.1  |
| Chronic Obstructive Pulmonary Disease..... | 36              | 2.8                 | 7.8  | ---- | 13.9    | 14.0 | ---- | 19.4     | 18.4 | ---- |
| Transient Cerebral Ischemia.....           | 27              | 0.0                 | 1.7  | ---- | 3.7     | 3.8  | ---- | 7.4      | 6.2  | ---- |
| Stroke.....                                | 83              | 18.1                | 19.6 | 4.6  | 21.7    | 26.0 | 6.2  | 27.7     | 30.1 | 5.5  |
| Hip Fracture.....                          | 47              | 4.3                 | 6.0  | ---- | 12.8    | 11.0 | ---- | 14.9     | 14.8 | ---- |
| Sepsis.....                                | 24              | 4.2                 | 23.2 | ---- | 8.3     | 31.6 | ---- | 8.3      | 36.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 39              | 7.7                 | 3.4  | ---- | 10.3    | 4.1  | ---- | 10.3     | 4.9  | ---- |
| Coronary Artery Bypass Graft.....          | 32              | 3.1                 | 3.7  | ---- | 6.3     | 5.5  | ---- | 6.3      | 6.4  | ---- |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 2.3  | ---- | 7.7     | 5.1  | ---- | 7.7      | 7.7  | ---- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 1.6  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.2  | ---- |
| Hip Replacement/Reconstruction.....        | 33              | 3.0                 | 2.9  | ---- | 9.1     | 5.9  | ---- | 9.1      | 8.4  | ---- |
| Open Reduction of Hip Fracture.....        | 21              | 4.8                 | 6.6  | ---- | 19.0    | 12.1 | ---- | 23.8     | 16.2 | ---- |
| Prostatectomy.....                         | 46              | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 4.3      | 2.5  | ---- |
| Cholecystectomy.....                       | 15              | 0.0                 | 1.5  | ---- | 0.0     | 2.7  | ---- | 0.0      | 3.5  | ---- |
| Hysterectomy.....                          | 17              | 0.0                 | 1.0  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$ 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MENORAH MEDICAL CENTER

Medicare Provider Number: 260112

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.8 years  
 Proportion female..... 60.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 73.3 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 18.2 %  
 Admitted for emergency..... 43.2 %

### COMORBIDITIES:

Cancer..... 6.7 %  
 Chronic cardiovascular disease..... 31.6 %  
 Chronic liver disease..... 0.8 %  
 Chronic renal disease..... 8.1 %  
 Chronic pulmonary disease..... 10.6 %  
 Cerebrovascular degeneration..... 5.4 %  
 Diabetes mellitus..... 9.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.2%  
 State..... 9.1 %  
 Outside State..... 16.7%  
 Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.3 Days  
 State..... 8.4 Days  
 National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 330  
 Occupancy Rate..... 54.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges..... 38.7 %  
 Case Mix Index (CMI)..... 1.3426

### STAFFING:

Total Number of Physicians..... 263  
 Percent of Physicians Board  
 Certified Specialists..... 74.9 %  
 Medical Residents/Interns..... 0  
 Registered Nurses..... 252  
 Licensed Practical Nurses..... 45

### SPECIALTY SERVICES:

Burn Unit..... No  
 Cardiac Intensive Care..... Yes  
 Comprehensive Geriatric..... No  
 Hospice Care..... No  
 Medical/Surgical Intensive Care..... Yes  
 Organ/Tissue Transplant..... Yes  
 Other Intensive Care..... No  
 Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
 Rehabilitation..... Yes  
 Psychiatric..... Yes  
 Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

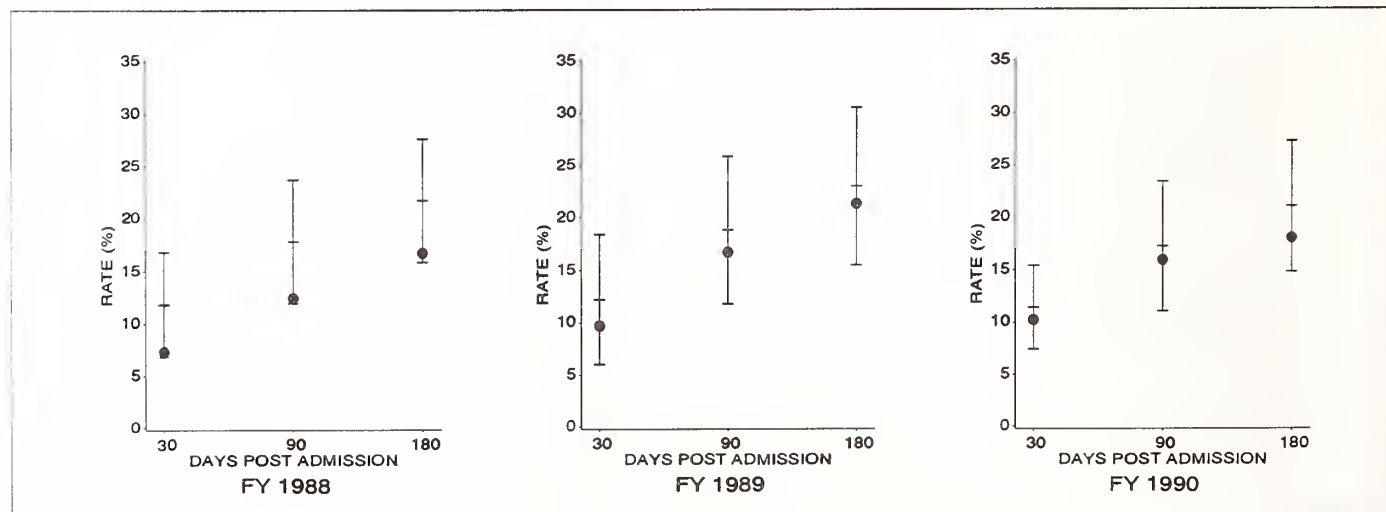
**MERCY HOSPITAL**  
P O BOX 528  
MANSFIELD, MO 65704  
Medicare Provider Number: 260182

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 295                | 10.2                | 11.4 | 2.0   | 15.9    | 17.2 | 3.1   | 18.0     | 21.0 | 3.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 40.0                | 26.7 | ----- | 40.0    | 28.9 | ----- | 40.0     | 31.5 | ----- |
| Congestive Heart Failure.....              | 15                 | 26.7                | 18.6 | ----- | 33.3    | 28.5 | ----- | 33.3     | 35.1 | ----- |
| Pneumonia/Influenza.....                   | 46                 | 8.7                 | 13.5 | ----- | 13.0    | 18.9 | ----- | 17.4     | 22.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 3.9  | ----- | 0.0     | 7.2  | ----- | 0.0      | 10.7 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 2.5  | ----- | 0.0     | 4.8  | ----- | 0.0      | 7.3  | ----- |
| Stroke.....                                | 9                  | 0.0                 | 21.6 | ----- | 22.2    | 27.9 | ----- | 22.2     | 31.4 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5                  | 40.0                | 21.3 | ----- | 40.0    | 31.8 | ----- | 40.0     | 37.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 6                  | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 2.7  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**MERCY HOSPITAL**  
Medicare Provider Number: 260182

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.3 years  
Proportion female..... 55.3 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 17.3 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 1.0 %  
Admitted for emergency..... 3.7 %

**COMORBIDITIES:**

Cancer..... 4.4 %  
Chronic cardiovascular disease..... 24.7 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 12.5 %  
Cerebrovascular degeneration..... 3.7 %  
Diabetes mellitus..... 11.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 54.9%  
State..... 42.1%  
Outside State..... 3.0%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 6.5 Days  
State..... 8.4 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds..... 51  
Occupancy Rate..... 29.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 46.4 %  
Case Mix Index (CMI)..... 1.0434

**STAFFING:**

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists..... 60.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 13  
Licensed Practical Nurses..... 12

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# METROPOLITAN MEDICAL CENTER NORTH

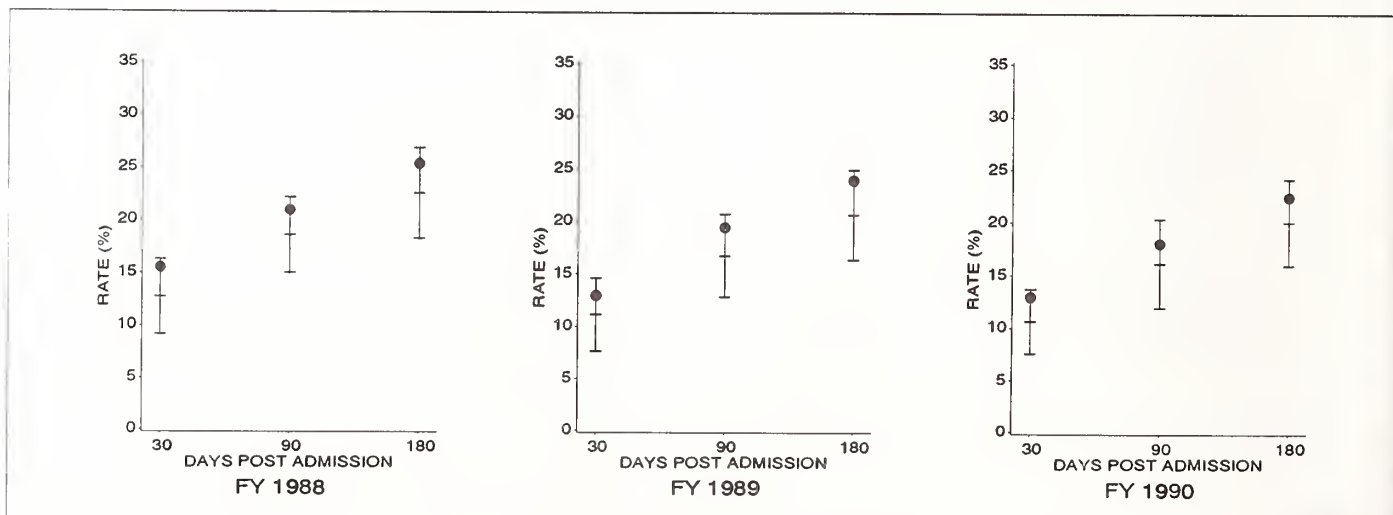
7840 NATURAL BRIDGE RD  
NORMANDY, MO 63121  
Medicare Provider Number: 260033

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 905             | 12.9                | 10.6 | 1.5  | 18.0    | 16.1 | 2.1  | 22.4     | 20.0 | 2.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 27              | 25.9                | 29.1 | ---- | 33.3    | 32.1 | ---- | 33.3     | 34.7 | ---- |
| Congestive Heart Failure.....              | 41              | 9.8                 | 14.0 | ---- | 9.8     | 22.2 | ---- | 19.5     | 28.1 | ---- |
| Pneumonia/Influenza.....                   | 55              | 21.8                | 17.7 | 7.6  | 25.5    | 24.7 | 7.6  | 27.3     | 28.6 | 9.1  |
| Chronic Obstructive Pulmonary Disease..... | 25              | 8.0                 | 7.1  | ---- | 8.0     | 12.0 | ---- | 8.0      | 15.6 | ---- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 1.8  | ---- | 0.0     | 4.2  | ---- | 0.0      | 7.0  | ---- |
| Stroke.....                                | 54              | 7.4                 | 15.5 | 6.6  | 11.1    | 22.2 | 8.1  | 16.7     | 26.0 | 7.9  |
| Hip Fracture.....                          | 27              | 7.4                 | 7.9  | ---- | 14.8    | 13.5 | ---- | 18.5     | 17.0 | ---- |
| Sepsis.....                                | 15              | 26.7                | 17.7 | ---- | 26.7    | 23.6 | ---- | 40.0     | 27.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 8               | 12.5                | 5.4  | ---- | 25.0    | 9.4  | ---- | 25.0     | 12.6 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 14              | 7.1                 | 8.0  | ---- | 14.3    | 13.4 | ---- | 14.3     | 16.5 | ---- |
| Open Reduction of Hip Fracture.....        | 14              | 0.0                 | 5.4  | ---- | 7.1     | 10.0 | ---- | 14.3     | 13.2 | ---- |
| Prostatectomy.....                         | 34              | 0.0                 | 0.8  | ---- | 0.0     | 2.0  | ---- | 8.8      | 3.5  | ---- |
| Cholecystectomy.....                       | 14              | 7.1                 | 3.1  | ---- | 7.1     | 5.7  | ---- | 7.1      | 7.3  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 3.5  | ---- | 0.0     | 7.6  | ---- | 0.0      | 11.0 | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METROPOLITAN MEDICAL CENTER NORTH

Medicare Provider Number: 250033

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.2 years  
Proportion female..... 59.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 10.8 %  
Admitted for emergency..... 67.5 %

### COMORBIDITIES:

Cancer..... 7.5 %  
Chronic cardiovascular disease..... 31.6 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 21.4 %  
Cerebrovascular degeneration..... 4.9 %  
Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.0%  
State ..... 20.4%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.6 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 198  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.2631

### STAFFING:

Medical Residents/Interns ..... 9  
Registered Nurses..... 110  
Licensed Practical Nurses..... 9

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# METROPOLITAN MEDICAL CENTER WEST

530 DES PERES AT DOUGHERTY FERRY RD

ST LOUIS, MO 63131

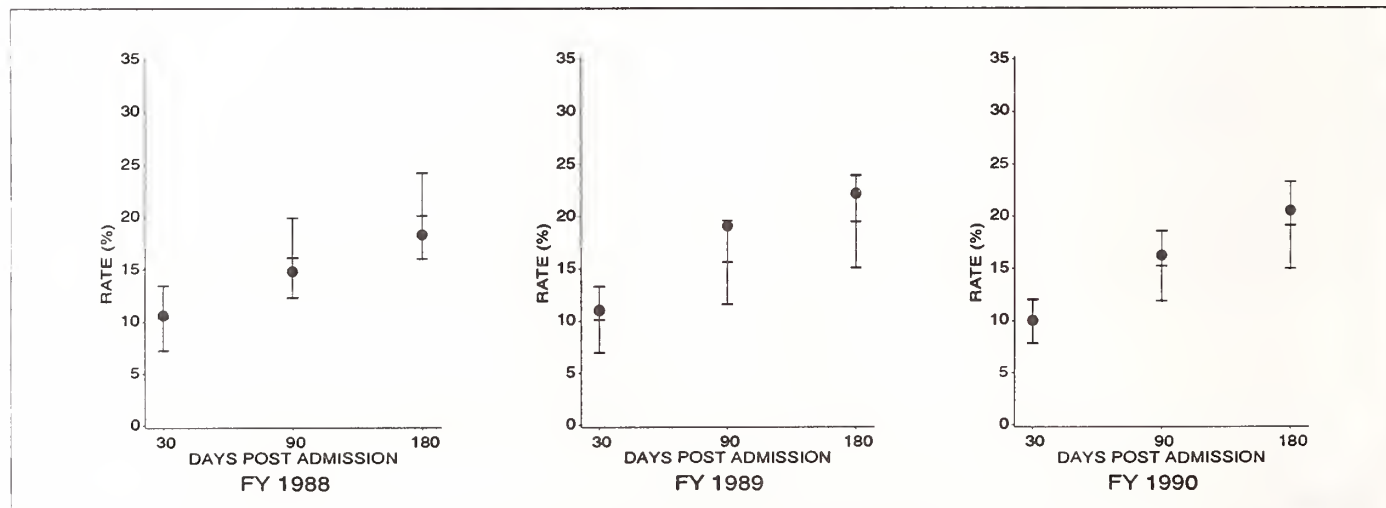
Medicare Provider Number: 260176

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 837             | 10.0                | 9.9  | 1.0   | 16.2    | 15.2 | 1.7   | 20.5     | 19.1 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16              | 12.5                | 21.9 | ----- | 31.3    | 24.6 | ----- | 31.3     | 27.0 | ----- |
| Congestive Heart Failure.....              | 39              | 20.5                | 14.2 | ----- | 23.1    | 22.5 | ----- | 28.2     | 28.6 | ----- |
| Pneumonia/Influenza.....                   | 53              | 18.9                | 16.1 | 8.8   | 24.5    | 22.2 | 11.9  | 35.8     | 26.2 | 12.8  |
| Chronic Obstructive Pulmonary Disease..... | 12              | 16.7                | 7.9  | ----- | 25.0    | 13.8 | ----- | 25.0     | 18.5 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 7.7                 | 2.3  | ----- | 7.7     | 5.1  | ----- | 7.7      | 8.2  | ----- |
| Stroke.....                                | 30              | 3.3                 | 16.9 | ----- | 13.3    | 23.4 | ----- | 20.0     | 27.1 | ----- |
| Hip Fracture.....                          | 28              | 0.0                 | 6.5  | ----- | 3.6     | 11.7 | ----- | 10.7     | 15.3 | ----- |
| Sepsis.....                                | 13              | 30.8                | 21.4 | ----- | 46.2    | 29.4 | ----- | 53.8     | 33.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 2.3  | ----- | 0.0     | 4.7  | ----- | 0.0      | 7.1  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.3  | ----- |
| Hip Replacement/Reconstruction.....        | 21              | 0.0                 | 2.7  | ----- | 0.0     | 5.3  | ----- | 4.8      | 7.5  | ----- |
| Open Reduction of Hip Fracture.....        | 15              | 0.0                 | 7.5  | ----- | 6.7     | 13.5 | ----- | 13.3     | 17.6 | ----- |
| Prostatectomy.....                         | 25              | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.8  | ----- |
| Cholecystectomy.....                       | 13              | 0.0                 | 1.3  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.1  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 20.0     | 2.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# METROPOLITAN MEDICAL CENTER WEST

Medicare Provider Number: 260176

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.4 %  
Transferred from skilled nursing facility..... 2.5 %  
Admitted for elective procedure..... 19.8 %  
Admitted for emergency..... 51.4 %

### COMORBIDITIES:

Cancer..... 7.9 %  
Chronic cardiovascular disease..... 37.0 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 26.6 %  
Cerebrovascular degeneration..... 6.9 %  
Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 47.4%  
State..... 47.3%  
Outside State..... 5.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.4 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 167  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 1.2906

### STAFFING:

Medical Residents/Interns..... 10  
Registered Nurses..... 149  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MINERAL AREA OSTEOPATHIC HOSPITAL

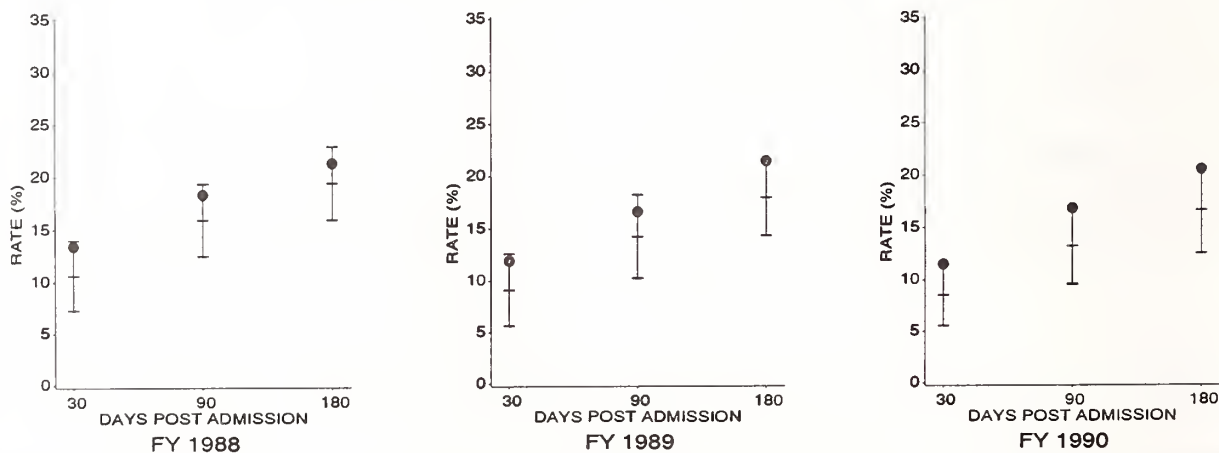
1212 WEBER RD  
FARMINGTON, MO 63640  
Medicare Provider Number: 260116

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 689             | 11.5                | 8.5  | 1.5   | 16.8    | 13.2 | 1.8   | 20.5     | 16.6 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 38.9                | 24.9 | ----- | 55.6    | 27.4 | ----- | 55.6     | 29.7 | ----- |
| Congestive Heart Failure.....              | 52              | 5.8                 | 13.3 | 7.2   | 13.5    | 21.1 | 8.6   | 19.2     | 27.2 | 7.7   |
| Pneumonia/Influenza.....                   | 88              | 12.5                | 10.9 | 5.3   | 18.2    | 15.7 | 7.0   | 21.6     | 19.2 | 7.1   |
| Chronic Obstructive Pulmonary Disease..... | 12              | 8.3                 | 7.1  | ----- | 8.3     | 13.4 | ----- | 25.0     | 19.0 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.9  | ----- |
| Stroke.....                                | 28              | 17.9                | 14.5 | ----- | 21.4    | 21.8 | ----- | 21.4     | 26.2 | ----- |
| Hip Fracture.....                          | 19              | 15.8                | 5.7  | ----- | 15.8    | 10.2 | ----- | 15.8     | 13.9 | ----- |
| Sepsis.....                                | 7               | 14.3                | 12.6 | ----- | 14.3    | 19.4 | ----- | 28.6     | 23.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 3.7  | ----- | 0.0     | 7.2  | ----- | 0.0      | 10.0 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 4.5  | ----- | 0.0     | 8.8  | ----- | 0.0      | 12.9 | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 15.4                | 5.8  | ----- | 15.4    | 10.8 | ----- | 15.4     | 14.8 | ----- |
| Prostatectomy.....                         | 13              | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 7.7      | 4.7  | ----- |
| Cholecystectomy.....                       | 16              | 0.0                 | 1.8  | ----- | 6.3     | 3.4  | ----- | 6.3      | 4.5  | ----- |
| Hysterectomy.....                          | 4               | 25.0                | 0.2  | ----- | 25.0    | 0.6  | ----- | 25.0     | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MINERAL AREA OSTEOPATHIC HOSPITAL

Medicare Provider Number: 260116

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.9 years  
Proportion female..... 57.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.9 %  
Transferred from skilled nursing facility..... 3.2 %  
Admitted for elective procedure..... 0.7 %  
Admitted for emergency..... 24.8 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 26.0 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 21.0 %  
Cerebrovascular degeneration..... 10.0 %  
Diabetes mellitus..... 11.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 67.1%  
State..... 31.8%  
Outside State..... 1.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.1 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 137  
Occupancy Rate..... 44.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 27.0 %  
Case Mix Index (CMI)..... 1.1823

### STAFFING:

Total Number of Physicians..... 39  
Percent of Physicians Board  
Certified Specialists..... 53.8 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 48  
Licensed Practical Nurses..... 44

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MISSOURI BAPTIST HOSPITAL SULLIVAN

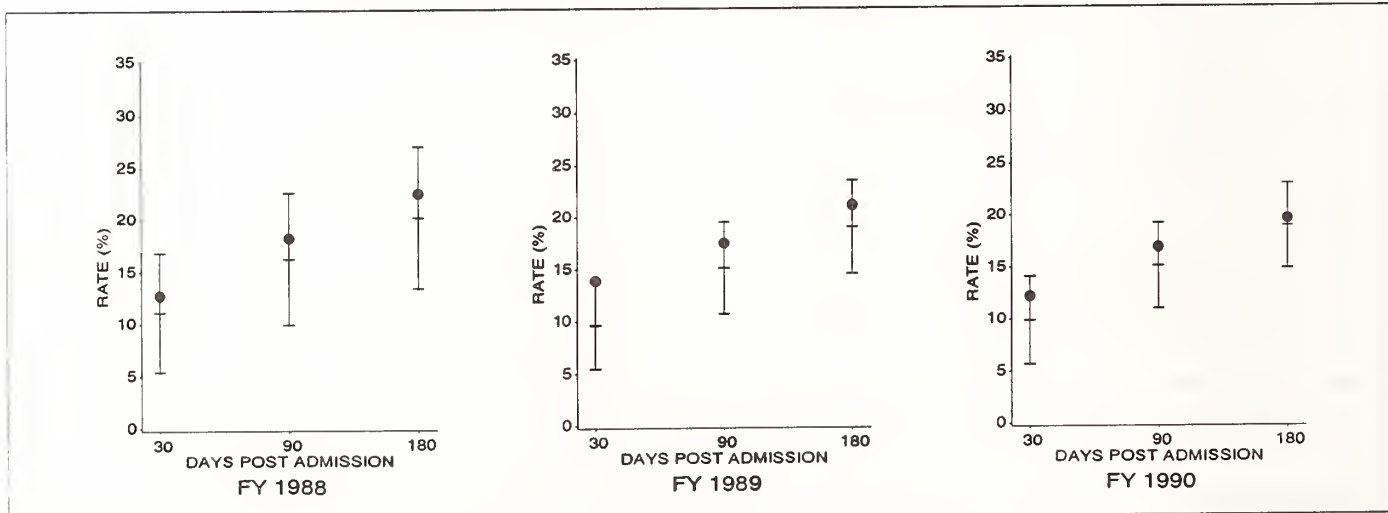
751 SAPPINGTON BRIDGE RD  
SULLIVAN, MO 63080  
Medicare Provider Number: 260115

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 403             | 12.2                | 9.9  | 2.1  | 16.9    | 15.1 | 2.1  | 19.6     | 18.9 | 2.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 10              | 50.0                | 31.2 | ---- | 50.0    | 34.7 | ---- | 50.0     | 38.1 | ---- |
| Congestive Heart Failure.....              | 34              | 14.7                | 13.4 | ---- | 17.6    | 20.7 | ---- | 20.6     | 26.2 | ---- |
| Pneumonia/Influenza.....                   | 56              | 10.7                | 11.4 | 4.3  | 12.5    | 15.7 | 6.0  | 16.1     | 19.1 | 6.6  |
| Chronic Obstructive Pulmonary Disease..... | 10              | 20.0                | 7.9  | ---- | 20.0    | 13.5 | ---- | 20.0     | 17.7 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 2.4  | ---- | 0.0     | 4.4  | ---- | 20.0     | 6.4  | ---- |
| Stroke.....                                | 17              | 5.9                 | 16.3 | ---- | 11.8    | 22.3 | ---- | 17.6     | 26.3 | ---- |
| Hip Fracture.....                          | 20              | 15.0                | 8.8  | ---- | 20.0    | 15.6 | ---- | 20.0     | 20.2 | ---- |
| Sepsis.....                                | 8               | 37.5                | 24.8 | ---- | 50.0    | 30.0 | ---- | 50.0     | 34.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 8               | 12.5                | 6.5  | ---- | 12.5    | 11.6 | ---- | 12.5     | 15.2 | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 22.2                | 10.7 | ---- | 33.3    | 19.7 | ---- | 33.3     | 26.1 | ---- |
| Prostatectomy.....                         | 10              | 0.0                 | 1.2  | ---- | 10.0    | 3.1  | ---- | 10.0     | 5.7  | ---- |
| Cholecystectomy.....                       | 13              | 0.0                 | 1.2  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.2  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 1.3  | ---- | 0.0     | 2.5  | ---- | 25.0     | 3.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MISSOURI BAPTIST HOSPITAL SULLIVAN

Medicare Provider Number: 260115

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.7 years |
| Proportion female.....        | 59.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 68.2 % |
| Transferred from skilled nursing facility..... | 2.7 %  |
| Admitted for elective procedure.....           | 10.7 % |
| Admitted for emergency.....                    | 0.2 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.0 %  |
| Chronic cardiovascular disease..... | 44.7 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 2.2 %  |
| Chronic pulmonary disease.....      | 25.1 % |
| Cerebrovascular degeneration.....   | 4.5 %  |
| Diabetes mellitus.....              | 5.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 46.7%  |
| State .....         | 51.7%  |
| Outside State ..... | 1.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.6 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 59                  |
| Occupancy Rate .....       | 30.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 43.9 %              |
| Case Mix Index (CMI) ..... | 1.1364              |

### STAFFING:

|                                                            |       |
|------------------------------------------------------------|-------|
| Total Number of Physicians.....                            | 18    |
| Percent of Physicians Board<br>Certified Specialists ..... | 5.6 % |
| Medical Residents/Interns .....                            | 0     |
| Registered Nurses.....                                     | 31    |
| Licensed Practical Nurses.....                             | 18    |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug.....         | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MISSOURI BAPTIST HOSPITAL WENTZVILLE

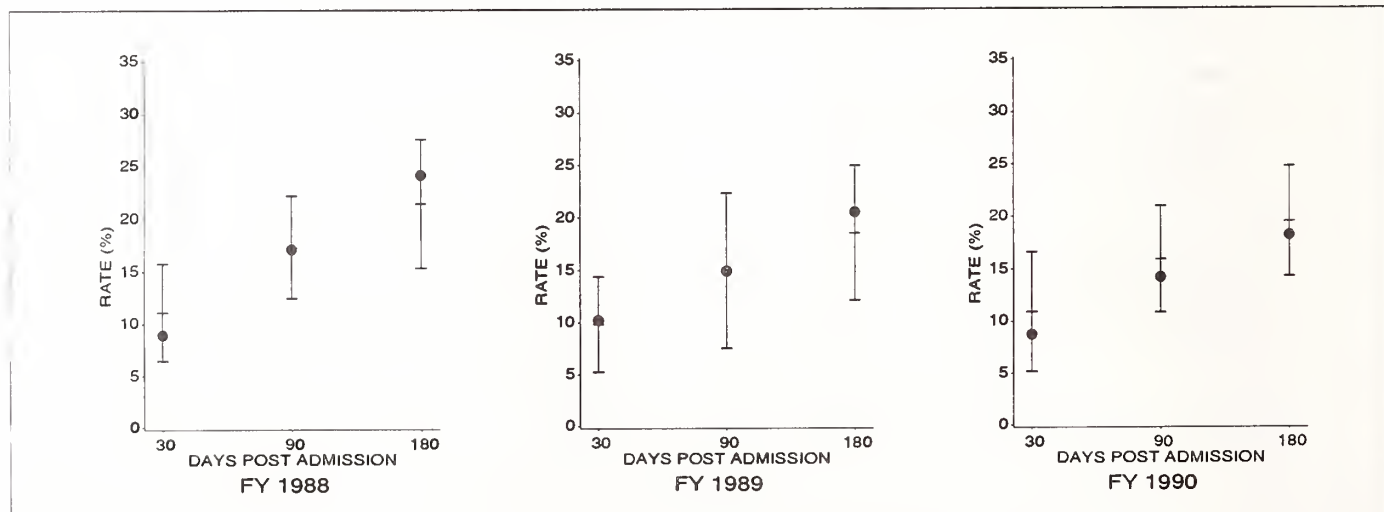
500 MEDICAL DRIVE  
WENTZVILLE, MO 63385  
Medicare Provider Number: 260198

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 253             | 8.7                 | 10.9 | 2.9   | 14.2    | 15.9 | 2.5   | 18.2     | 19.5 | 2.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13              | 23.1                | 33.3 | ----- | 38.5    | 37.9 | ----- | 53.8     | 41.1 | ----- |
| Congestive Heart Failure.....              | 10              | 0.0                 | 14.4 | ----- | 10.0    | 24.4 | ----- | 20.0     | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 24              | 8.3                 | 17.4 | ----- | 12.5    | 23.4 | ----- | 16.7     | 27.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 7.5  | ----- | 50.0    | 14.0 | ----- | 50.0     | 19.2 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.5  | ----- |
| Stroke.....                                | 9               | 11.1                | 23.3 | ----- | 33.3    | 30.8 | ----- | 33.3     | 35.2 | ----- |
| Hip Fracture.....                          | 4               | 0.0                 | 6.7  | ----- | 0.0     | 12.5 | ----- | 0.0      | 16.5 | ----- |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 3.5  | ----- | 0.0     | 6.0  | ----- | 0.0      | 8.1  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 4.9  | ----- | 0.0     | 10.5 | ----- | 0.0      | 15.2 | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 7.3  | ----- | 0.0     | 13.0 | ----- | 0.0      | 16.3 | ----- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.3  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 1.5  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.5  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MISSOURI BAPTIST HOSPITAL WENTZVILLE

Medicare Provider Number: 260198

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 56.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.8 %  
Transferred from skilled nursing facility..... 3.2 %  
Admitted for elective procedure..... 26.5 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.9 %  
Chronic cardiovascular disease..... 29.6 %  
Chronic liver disease..... 2.0 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 22.5 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 39.8%  
State ..... 55.9%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.4 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 67  
Occupancy Rate ..... 26.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 30.5 %  
Case Mix Index (CMI) ..... 1.4063

### STAFFING:

Total Number of Physicians..... 34  
Percent of Physicians Board  
Certified Specialists ..... 67.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 38  
Licensed Practical Nurses ..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MISSOURI BAPTIST MEDICAL CENTER

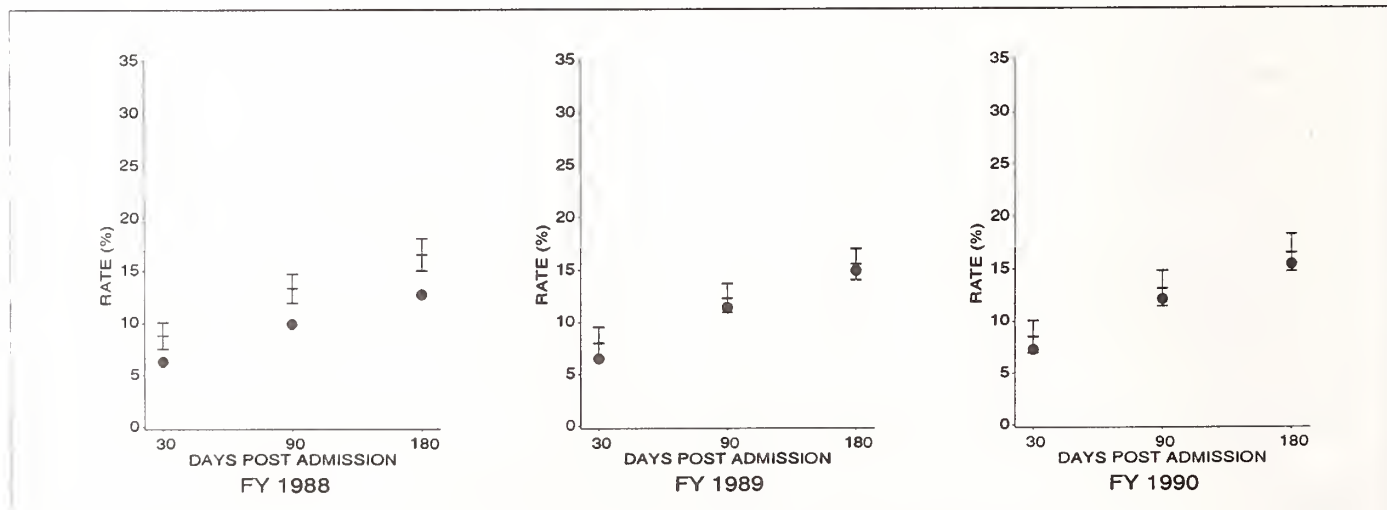
3015 N BALLAS RD  
ST LOUIS, MO 63131  
Medicare Provider Number: 260108

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3140            | 7.3                 | 8.5  | 0.8  | 12.1    | 13.1 | 0.9  | 15.4     | 16.5 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 76              | 25.0                | 28.4 | 8.1  | 28.9    | 31.5 | 8.6  | 31.6     | 34.2 | 8.3  |
| Congestive Heart Failure.....              | 142             | 20.4                | 15.8 | 5.3  | 29.6    | 25.0 | 4.8  | 35.9     | 31.8 | 4.6  |
| Pneumonia/Influenza.....                   | 140             | 7.1                 | 17.1 | 5.5  | 18.6    | 23.5 | 4.6  | 22.1     | 27.7 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 26              | 11.5                | 8.4  | ---- | 23.1    | 14.0 | ---- | 26.9     | 18.4 | ---- |
| Transient Cerebral Ischemia.....           | 46              | 2.2                 | 3.1  | ---- | 2.2     | 5.2  | ---- | 8.7      | 7.3  | ---- |
| Stroke.....                                | 89              | 15.7                | 22.8 | 7.9  | 21.3    | 28.6 | 7.4  | 27.0     | 32.4 | 7.0  |
| Hip Fracture.....                          | 79              | 10.1                | 5.9  | 5.3  | 13.9    | 10.2 | 5.0  | 16.5     | 13.2 | 5.0  |
| Sepsis.....                                | 25              | 32.0                | 26.3 | ---- | 44.0    | 37.2 | ---- | 48.0     | 43.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 52              | 5.8                 | 2.6  | 4.2  | 7.7     | 3.6  | 4.5  | 9.6      | 4.4  | 4.3  |
| Coronary Artery Bypass Graft.....          | 150             | 3.3                 | 5.9  | 2.7  | 5.3     | 8.5  | 3.5  | 6.7      | 9.6  | 3.8  |
| Initial Pacemaker Insertion.....           | 44              | 2.3                 | 3.0  | ---- | 4.5     | 5.6  | ---- | 9.1      | 8.0  | ---- |
| Carotid Endarterectomy.....                | 49              | 2.0                 | 1.4  | ---- | 2.0     | 2.6  | ---- | 4.1      | 3.9  | ---- |
| Hip Replacement/Reconstruction.....        | 71              | 4.2                 | 3.3  | 3.5  | 7.0     | 5.8  | 3.5  | 7.0      | 7.4  | 3.8  |
| Open Reduction of Hip Fracture.....        | 40              | 10.0                | 5.1  | ---- | 15.0    | 9.2  | ---- | 20.0     | 12.2 | ---- |
| Prostatectomy.....                         | 125             | 0.0                 | 0.9  | 1.6  | 1.6     | 2.0  | 1.6  | 3.2      | 3.5  | 1.8  |
| Cholecystectomy.....                       | 87              | 3.4                 | 2.6  | 2.0  | 4.6     | 5.2  | 2.7  | 8.0      | 7.3  | 3.3  |
| Hysterectomy.....                          | 24              | 0.0                 | 1.0  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MISSOURI BAPTIST MEDICAL CENTER

Medicare Provider Number: 260108

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.4 years  
Proportion female..... 55.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 58.3 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 23.6 %  
Admitted for emergency..... 41.2 %

### COMORBIDITIES:

Cancer..... 9.6 %  
Chronic cardiovascular disease..... 36.5 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 56.4%  
State ..... 32.6%  
Outside State ..... 11.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 403  
Occupancy Rate ..... 61.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 43.2 %  
Case Mix Index (CMI) ..... 1.6360

### STAFFING:

Total Number of Physicians..... 179  
Percent of Physicians Board  
Certified Specialists ..... 84.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 319  
Licensed Practical Nurses ..... 18

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MISSOURI DELTA MEDICAL CENTER

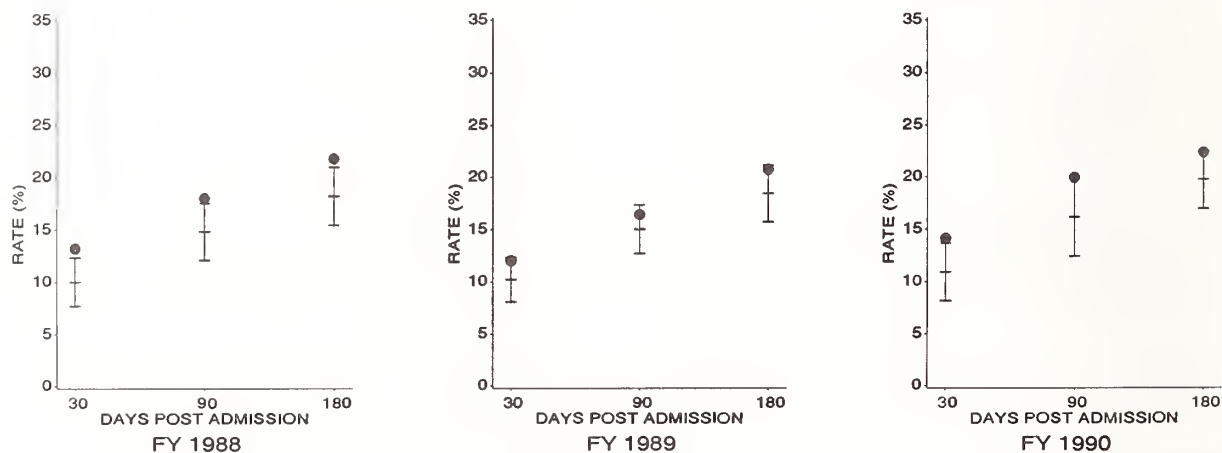
1008 NORTH MAIN ST  
SIKESTON, MO 63801  
Medicare Provider Number: 260113

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1348            | 14.1                | 10.9 | 1.4   | 19.9    | 16.1 | 1.9   | 22.3     | 19.7 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 38              | 44.7                | 31.3 | ----- | 44.7    | 34.5 | ----- | 44.7     | 37.4 | ----- |
| Congestive Heart Failure.....              | 75              | 22.7                | 14.0 | 6.6   | 30.7    | 22.4 | 6.7   | 32.0     | 28.6 | 6.6   |
| Pneumonia/Influenza.....                   | 93              | 18.3                | 15.1 | 5.7   | 24.7    | 20.9 | 5.3   | 28.0     | 24.5 | 5.3   |
| Chronic Obstructive Pulmonary Disease..... | 24              | 16.7                | 9.0  | ----- | 25.0    | 15.1 | ----- | 25.0     | 19.3 | ----- |
| Transient Cerebral Ischemia.....           | 19              | 0.0                 | 1.7  | ----- | 5.3     | 3.9  | ----- | 5.3      | 6.5  | ----- |
| Stroke.....                                | 75              | 20.0                | 17.0 | 6.8   | 25.3    | 22.5 | 7.0   | 32.0     | 25.9 | 7.4   |
| Hip Fracture.....                          | 52              | 9.6                 | 5.2  | 5.2   | 17.3    | 9.2  | 8.6   | 19.2     | 12.1 | 9.0   |
| Sepsis.....                                | 15              | 60.0                | 29.9 | ----- | 66.7    | 37.5 | ----- | 66.7     | 42.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 1.6  | ----- | 33.3    | 3.2  | ----- | 33.3     | 5.1  | ----- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 1.3  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.9  | ----- |
| Hip Replacement/Reconstruction.....        | 19              | 5.3                 | 4.2  | ----- | 15.8    | 7.7  | ----- | 15.8     | 10.3 | ----- |
| Open Reduction of Hip Fracture.....        | 28              | 10.7                | 4.3  | ----- | 17.9    | 7.7  | ----- | 21.4     | 10.2 | ----- |
| Prostatectomy.....                         | 42              | 2.4                 | 0.8  | ----- | 4.8     | 1.9  | ----- | 7.1      | 3.3  | ----- |
| Cholecystectomy.....                       | 29              | 0.0                 | 1.2  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.2  | ----- |
| Hysterectomy.....                          | 15              | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MISSOURI DELTA MEDICAL CENTER

Medicare Provider Number: 260113

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 58.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.4 %  
Admitted for emergency..... 59.4 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 27.1 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 16.4 %  
Cerebrovascular degeneration..... 3.3 %  
Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 43.0%  
State ..... 52.7%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.7 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 144  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 40.1 %  
Case Mix Index (CMI) ..... 1.1922

### STAFFING:

Total Number of Physicians..... 38  
Percent of Physicians Board  
Certified Specialists ..... 78.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 93  
Licensed Practical Nurses ..... 67

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MOBERLY REGIONAL MEDICAL CENTER

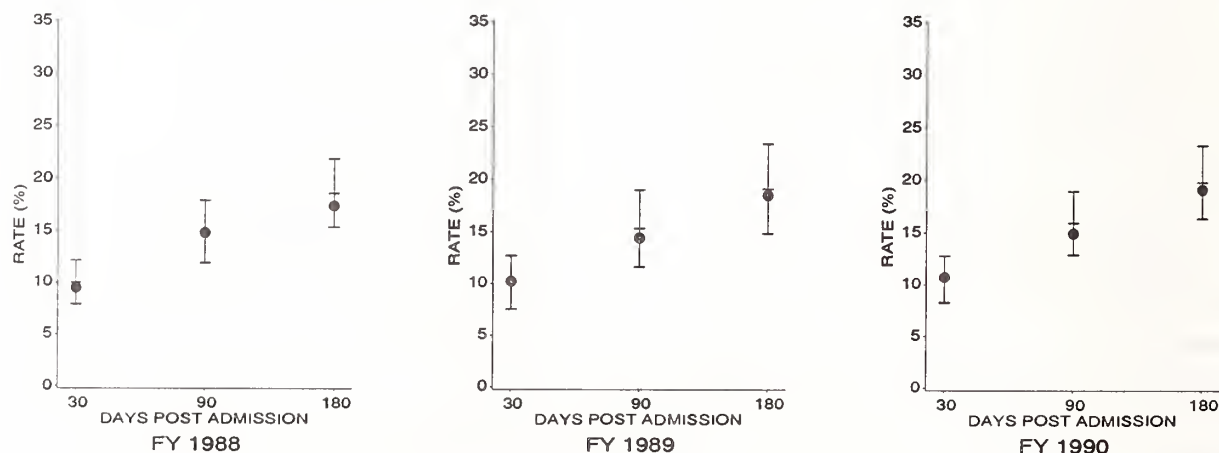
1515 UNION AVE  
MOBERLY, MO 65270  
Medicare Provider Number: 260074

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 763                | 10.7                | 10.5 | 1.1   | 14.9    | 15.9 | 1.5   | 19.1     | 19.8 | 1.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23                 | 30.4                | 24.1 | ----- | 34.8    | 27.7 | ----- | 34.8     | 30.6 | ----- |
| Congestive Heart Failure.....              | 39                 | 12.8                | 15.8 | ----- | 23.1    | 25.0 | ----- | 23.1     | 32.2 | ----- |
| Pneumonia/Influenza.....                   | 99                 | 11.1                | 15.6 | 6.1   | 17.2    | 21.6 | 8.3   | 21.2     | 25.4 | 6.8   |
| Chronic Obstructive Pulmonary Disease..... | 19                 | 15.8                | 11.0 | ----- | 21.1    | 18.9 | ----- | 31.6     | 24.3 | ----- |
| Transient Cerebral Ischemia.....           | 15                 | 0.0                 | 2.4  | ----- | 6.7     | 5.6  | ----- | 13.3     | 9.5  | ----- |
| Stroke.....                                | 35                 | 31.4                | 22.2 | ----- | 34.3    | 29.5 | ----- | 42.9     | 33.3 | ----- |
| Hip Fracture.....                          | 32                 | 0.0                 | 5.4  | ----- | 0.0     | 9.8  | ----- | 3.1      | 13.1 | ----- |
| Sepsis.....                                | 15                 | 26.7                | 24.9 | ----- | 40.0    | 33.4 | ----- | 40.0     | 38.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 21                 | 0.0                 | 4.9  | ----- | 0.0     | 9.2  | ----- | 0.0      | 12.5 | ----- |
| Open Reduction of Hip Fracture.....        | 12                 | 0.0                 | 5.0  | ----- | 0.0     | 9.1  | ----- | 8.3      | 12.1 | ----- |
| Prostatectomy.....                         | 13                 | 0.0                 | 0.9  | ----- | 0.0     | 2.3  | ----- | 0.0      | 4.1  | ----- |
| Cholecystectomy.....                       | 10                 | 0.0                 | 1.2  | ----- | 0.0     | 2.1  | ----- | 0.0      | 2.8  | ----- |
| Hysterectomy.....                          | 7                  | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MOBERLY REGIONAL MEDICAL CENTER

Medicare Provider Number: 260074

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.5 years |
| Proportion female.....        | 62.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 50.2 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 25.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.8 %  |
| Chronic cardiovascular disease..... | 35.5 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 0.9 %  |
| Chronic pulmonary disease.....      | 19.9 % |
| Cerebrovascular degeneration.....   | 7.6 %  |
| Diabetes mellitus.....              | 12.7 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 66.7%  |
| State .....         | 32.0%  |
| Outside State ..... | 1.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.4 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 112                 |
| Occupancy Rate .....       | 42.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 49.6 %              |
| Case Mix Index (CMI) ..... | 1.1993              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 22     |
| Percent of Physicians Board<br>Certified Specialists..... | 59.1 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 57     |
| Licensed Practical Nurses .....                           | 28     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# NEVADA CITY HOSPITAL

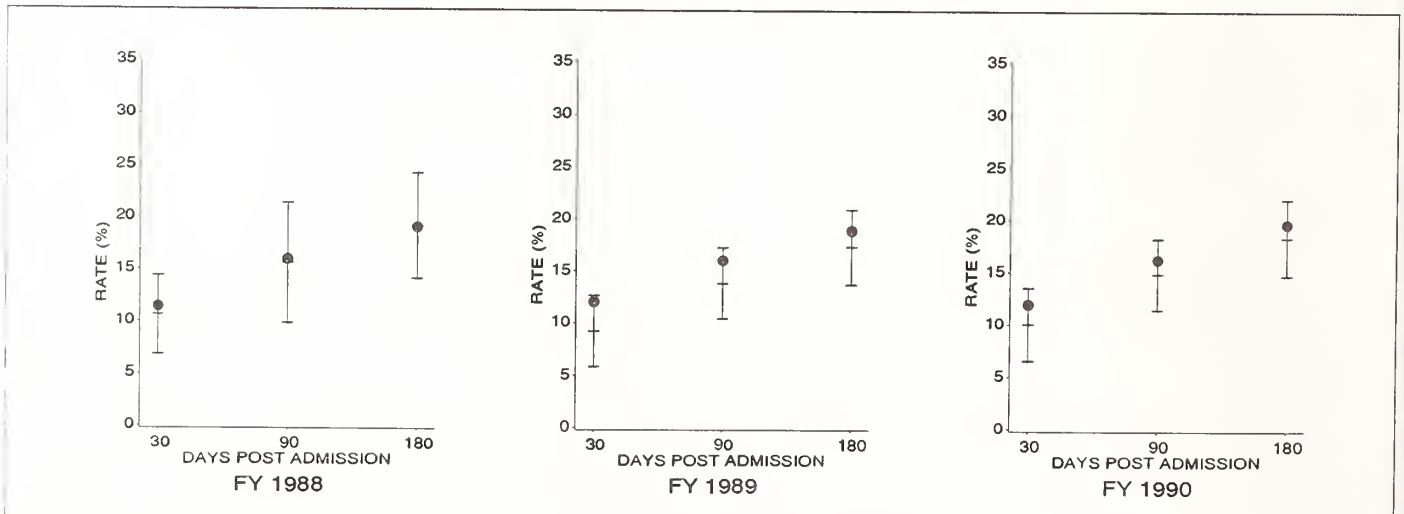
600 SOUTH ASH  
NEVADA, MO 64772  
Medicare Provider Number: 260061

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 520             | 11.9                | 10.0 | 1.8  | 16.2    | 14.8 | 1.7  | 19.6     | 18.3 | 1.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 15              | 20.0                | 27.6 | ---- | 20.0    | 30.6 | ---- | 20.0     | 33.4 | ---- |
| Congestive Heart Failure.....              | 54              | 13.0                | 15.4 | 6.0  | 18.5    | 24.4 | 9.2  | 22.2     | 30.4 | 11.1 |
| Pneumonia/Influenza.....                   | 58              | 12.1                | 10.9 | 5.1  | 17.2    | 15.1 | 9.0  | 20.7     | 18.1 | 9.4  |
| Chronic Obstructive Pulmonary Disease..... | 15              | 0.0                 | 6.8  | ---- | 0.0     | 13.0 | ---- | 6.7      | 17.7 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 1.4  | ---- | 0.0     | 3.1  | ---- | 0.0      | 5.1  | ---- |
| Stroke.....                                | 15              | 46.7                | 18.7 | ---- | 46.7    | 24.4 | ---- | 53.3     | 28.3 | ---- |
| Hip Fracture.....                          | 20              | 20.0                | 5.0  | ---- | 20.0    | 9.0  | ---- | 20.0     | 11.9 | ---- |
| Sepsis.....                                | 5               | 20.0                | 19.7 | ---- | 20.0    | 25.3 | ---- | 20.0     | 29.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 2.2  | ---- | 0.0     | 5.0  | ---- | 0.0      | 8.7  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 5.1  | ---- | 0.0     | 10.2 | ---- | 0.0      | 14.1 | ---- |
| Open Reduction of Hip Fracture.....        | 5               | 20.0                | 5.2  | ---- | 20.0    | 9.6  | ---- | 20.0     | 12.7 | ---- |
| Prostatectomy.....                         | 9               | 0.0                 | 0.7  | ---- | 0.0     | 1.9  | ---- | 0.0      | 3.4  | ---- |
| Cholecystectomy.....                       | 10              | 0.0                 | 1.3  | ---- | 10.0    | 2.8  | ---- | 10.0     | 4.1  | ---- |
| Hysterectomy.....                          | 6               | 0.0                 | 1.4  | ---- | 16.7    | 2.8  | ---- | 16.7     | 4.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NEVADA CITY HOSPITAL

Medicare Provider Number: 260061

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.6 years |
| Proportion female.....        | 55.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 41.7 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 3.3 %  |
| Admitted for emergency.....                    | 3.7 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.7 %  |
| Chronic cardiovascular disease..... | 27.5 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 2.5 %  |
| Chronic pulmonary disease.....      | 17.3 % |
| Cerebrovascular degeneration.....   | 4.0 %  |
| Diabetes mellitus.....              | 7.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 76.4%  |
| State .....         | 20.2%  |
| Outside State ..... | 3.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.5 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 97               |
| Occupancy Rate .....       | 41.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 44.1 %           |
| Case Mix Index (CMI) ..... | 1.1239           |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 16     |
| Percent of Physicians Board<br>Certified Specialists..... | 43.8 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 48     |
| Licensed Practical Nurses.....                            | 19     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | Yes |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTH KANSAS CITY HOSPITAL

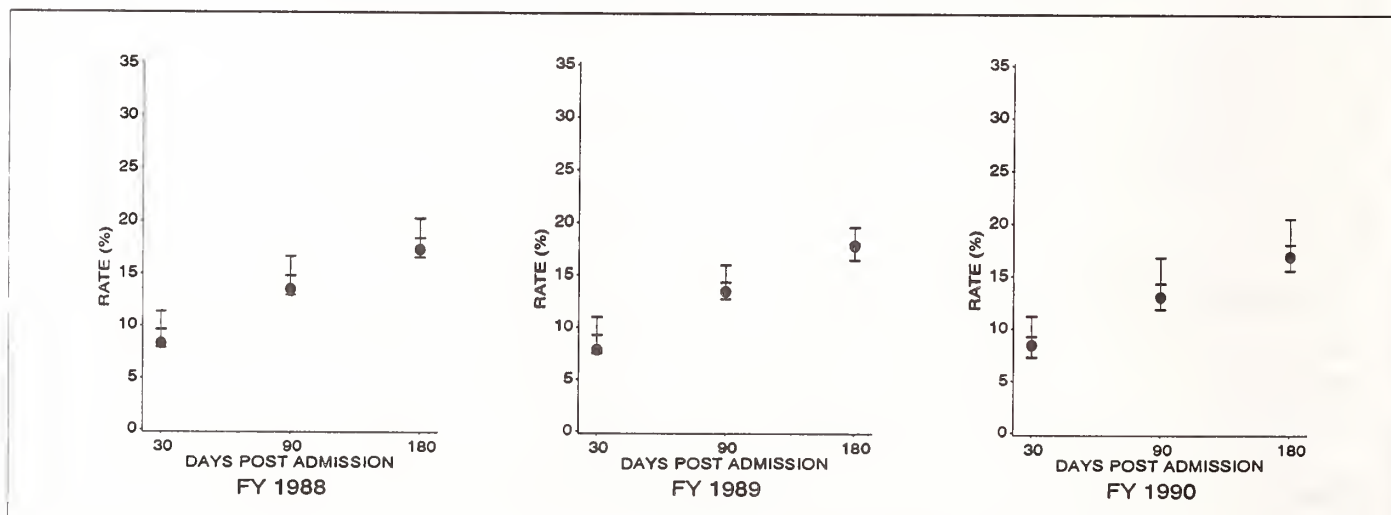
2800 HOSPITAL DR  
NORTH KANSAS CITY, MO 64116  
Medicare Provider Number: 260096

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2581            | 8.4                 | 9.2  | 1.0   | 13.0    | 14.3 | 1.2   | 16.9     | 18.0 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 74              | 25.7                | 23.5 | 5.3   | 28.4    | 26.7 | 5.5   | 32.4     | 29.5 | 6.2   |
| Congestive Heart Failure.....              | 129             | 9.3                 | 14.9 | 4.9   | 14.7    | 23.1 | 6.0   | 23.3     | 29.2 | 5.2   |
| Pneumonia/Influenza.....                   | 126             | 11.9                | 17.1 | 5.3   | 21.4    | 23.6 | 5.1   | 26.2     | 27.9 | 4.5   |
| Chronic Obstructive Pulmonary Disease..... | 63              | 3.2                 | 5.8  | 3.9   | 6.3     | 10.5 | 4.8   | 17.5     | 14.4 | 6.3   |
| Transient Cerebral Ischemia.....           | 31              | 0.0                 | 1.7  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.3  | ----- |
| Stroke.....                                | 99              | 16.2                | 17.9 | 5.1   | 18.2    | 24.5 | 7.9   | 23.2     | 28.2 | 7.5   |
| Hip Fracture.....                          | 61              | 4.9                 | 6.2  | 4.1   | 11.5    | 11.4 | 5.0   | 14.8     | 15.0 | 4.6   |
| Sepsis.....                                | 26              | 15.4                | 28.4 | ----- | 30.8    | 37.8 | ----- | 30.8     | 42.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 36              | 2.8                 | 5.7  | ----- | 5.6     | 7.5  | ----- | 8.3      | 9.0  | ----- |
| Coronary Artery Bypass Graft.....          | 34              | 14.7                | 5.6  | ----- | 14.7    | 7.6  | ----- | 14.7     | 8.5  | ----- |
| Initial Pacemaker Insertion.....           | 29              | 0.0                 | 3.9  | ----- | 3.4     | 7.0  | ----- | 3.4      | 9.4  | ----- |
| Carotid Endarterectomy.....                | 35              | 0.0                 | 1.5  | ----- | 0.0     | 2.8  | ----- | 2.9      | 4.1  | ----- |
| Hip Replacement/Reconstruction.....        | 56              | 1.8                 | 3.9  | 3.3   | 3.6     | 7.1  | 5.2   | 3.6      | 9.3  | 6.3   |
| Open Reduction of Hip Fracture.....        | 25              | 8.0                 | 5.4  | ----- | 16.0    | 10.4 | ----- | 20.0     | 14.1 | ----- |
| Prostatectomy.....                         | 105             | 1.0                 | 1.2  | 1.1   | 2.9     | 2.6  | 1.6   | 2.9      | 4.3  | 2.9   |
| Cholecystectomy.....                       | 48              | 8.3                 | 3.6  | ----- | 10.4    | 5.7  | ----- | 10.4     | 7.0  | ----- |
| Hysterectomy.....                          | 18              | 0.0                 | 0.7  | ----- | 0.0     | 1.5  | ----- | 5.6      | 2.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# NORTH KANSAS CITY HOSPITAL

Medicare Provider Number: 260096

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years

Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.5 %

Transferred from skilled nursing facility..... 9.8 %

Admitted for elective procedure..... 20.1 %

Admitted for emergency..... 28.9 %

### COMORBIDITIES:

Cancer..... 7.7 %

Chronic cardiovascular disease..... 35.4 %

Chronic liver disease..... 0.6 %

Chronic renal disease..... 4.0 %

Chronic pulmonary disease..... 17.8 %

Cerebrovascular degeneration..... 4.0 %

Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.4%

State ..... 34.2%

Outside State ..... 4.4%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.8 Days

State ..... 8.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 321

Occupancy Rate ..... 67.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 38.3 %

Case Mix Index (CMI) ..... 1.3684

### STAFFING:

Total Number of Physicians..... 235

Percent of Physicians Board  
Certified Specialists ..... 87.7 %

Medical Residents/Interns ..... 0

Registered Nurses..... 419

Licensed Practical Nurses ..... 55

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

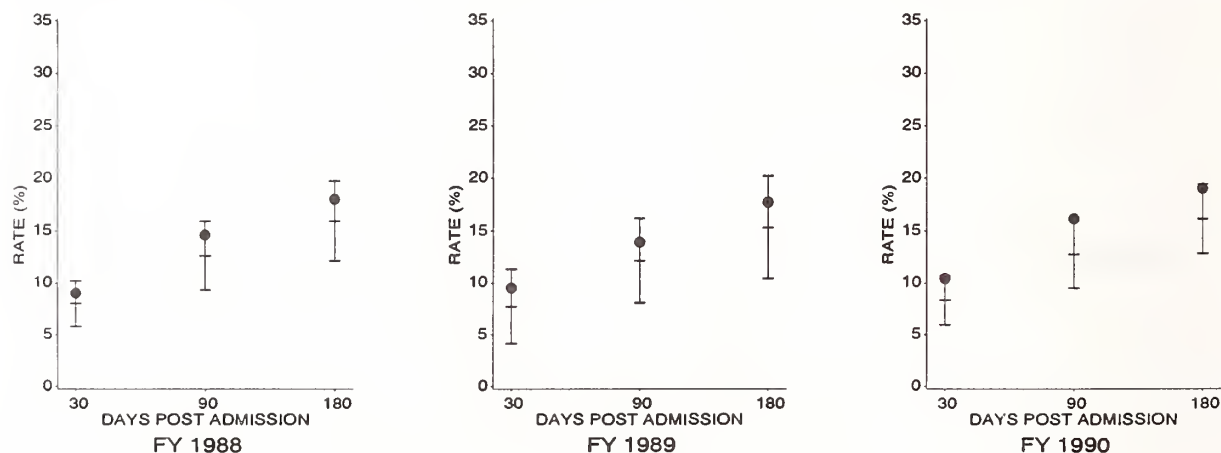
**OAK HILL HOSPITAL**  
 932 E 34TH ST  
 JOPLIN, MO 64801  
 Medicare Provider Number: 260137

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 940             | 10.4                | 8.3  | 1.2  | 16.1    | 12.7 | 1.6  | 19.0     | 16.1 | 1.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 18              | 22.2                | 31.4 | ---- | 33.3    | 35.4 | ---- | 33.3     | 38.5 | ---- |
| Congestive Heart Failure.....              | 77              | 20.8                | 15.5 | 7.0  | 29.9    | 24.0 | 8.6  | 37.7     | 30.5 | 7.6  |
| Pneumonia/Influenza.....                   | 43              | 9.3                 | 13.4 | ---- | 14.0    | 18.3 | ---- | 14.0     | 22.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 18              | 0.0                 | 5.6  | ---- | 5.6     | 10.1 | ---- | 5.6      | 14.0 | ---- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 2.1  | ---- | 0.0     | 4.7  | ---- | 8.3      | 7.6  | ---- |
| Stroke.....                                | 31              | 32.3                | 20.9 | ---- | 41.9    | 27.5 | ---- | 45.2     | 32.1 | ---- |
| Hip Fracture.....                          | 38              | 10.5                | 5.9  | ---- | 23.7    | 10.6 | ---- | 26.3     | 13.9 | ---- |
| Sepsis.....                                | 4               | 50.0                | 34.3 | ---- | 75.0    | 45.5 | ---- | 75.0     | 50.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 9               | 11.1                | 5.0  | ---- | 11.1    | 6.0  | ---- | 11.1     | 7.1  | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 16              | 6.3                 | 5.1  | ---- | 6.3     | 9.4  | ---- | 12.5     | 12.7 | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.9  | ---- | 0.0     | 3.3  | ---- | 0.0      | 4.6  | ---- |
| Hip Replacement/Reconstruction.....        | 25              | 4.0                 | 3.4  | ---- | 12.0    | 6.5  | ---- | 16.0     | 8.8  | ---- |
| Open Reduction of Hip Fracture.....        | 19              | 10.5                | 5.4  | ---- | 26.3    | 9.9  | ---- | 26.3     | 13.3 | ---- |
| Prostatectomy.....                         | 40              | 2.5                 | 0.9  | ---- | 5.0     | 2.0  | ---- | 5.0      | 3.4  | ---- |
| Cholecystectomy.....                       | 13              | 0.0                 | 1.9  | ---- | 0.0     | 3.2  | ---- | 0.0      | 4.3  | ---- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.5  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**OAK HILL HOSPITAL**  
Medicare Provider Number: 260137

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 74.8 years | Cancer.....                         | 2.7 %  |
| Proportion female.....                         | 60.4 %     | Chronic cardiovascular disease..... | 40.7 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 1.0 %  |
| Referred by personal or HMO physician.....     | 42.8 %     | Chronic renal disease.....          | 1.4 %  |
| Transferred from skilled nursing facility..... | 28.8 %     | Chronic pulmonary disease.....      | 13.4 % |
| Admitted for elective procedure.....           | 37.4 %     | Cerebrovascular degeneration.....   | 4.9 %  |
| Admitted for emergency.....                    | 20.0 %     | Diabetes mellitus.....              | 6.7 %  |

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 16.4%  | Hospital .....                          | 8.4 Days |
| State .....                                  | 60.1%  | State .....                             | 8.4 Days |
| Outside State .....                          | 23.5%  | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

**HOSPITAL CHARACTERISTICS\***

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 91                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 59.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 42.1 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.2280              | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 90                  | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 63.3 %              | Trauma Center .....                             | Yes |
| Medical Residents/Interns .....                                    | 3                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 91                  | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 38                  | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# OZARKS MEDICAL CENTER

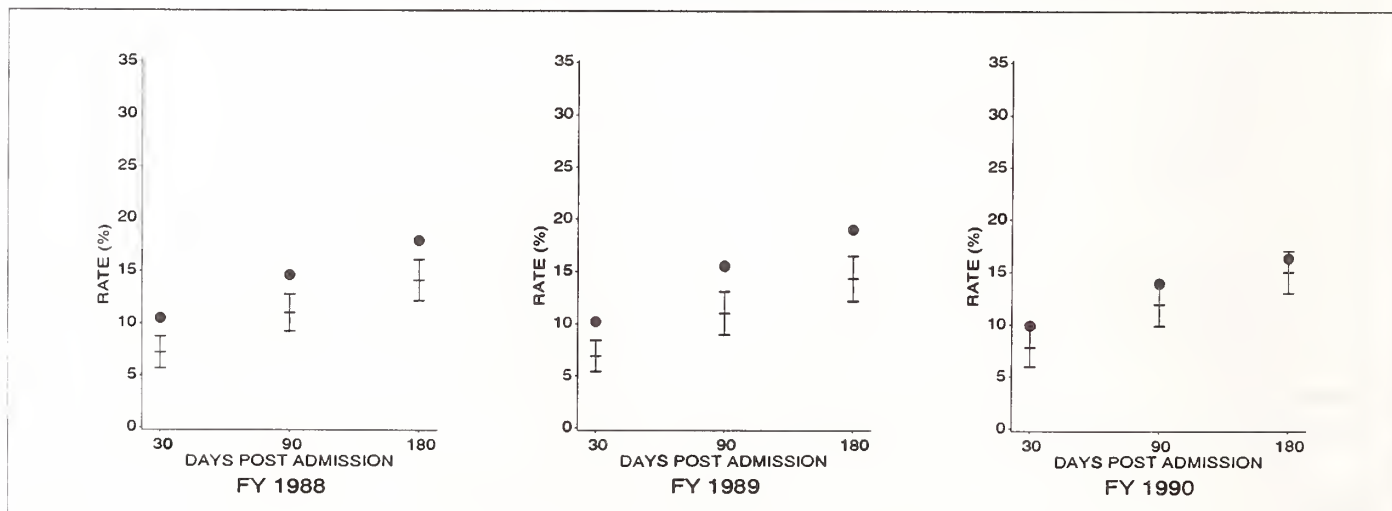
1103 ALASKA AVE  
WEST PLAINS, MO 65775  
Medicare Provider Number: 260078

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1532               | 9.9                 | 7.8  | 0.9   | 13.9    | 11.9 | 1.0   | 16.3     | 15.0 | 1.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 45                 | 44.4                | 26.1 | ----- | 48.9    | 29.4 | ----- | 48.9     | 32.1 | ----- |
| Congestive Heart Failure.....              | 67                 | 11.9                | 13.7 | 4.7   | 26.9    | 21.7 | 5.9   | 29.9     | 27.8 | 7.4   |
| Pneumonia/Influenza.....                   | 61                 | 14.8                | 16.8 | 5.2   | 21.3    | 22.9 | 5.5   | 24.6     | 26.8 | 7.0   |
| Chronic Obstructive Pulmonary Disease..... | 47                 | 6.4                 | 7.3  | ----- | 8.5     | 13.4 | ----- | 14.9     | 17.8 | ----- |
| Transient Cerebral Ischemia.....           | 24                 | 0.0                 | 1.8  | ----- | 0.0     | 4.2  | ----- | 4.2      | 6.8  | ----- |
| Stroke.....                                | 58                 | 22.4                | 20.3 | 5.6   | 29.3    | 26.5 | 6.2   | 32.8     | 30.0 | 6.4   |
| Hip Fracture.....                          | 46                 | 8.7                 | 6.4  | ----- | 10.9    | 10.9 | ----- | 13.0     | 14.0 | ----- |
| Sepsis.....                                | 10                 | 20.0                | 21.1 | ----- | 20.0    | 26.8 | ----- | 20.0     | 31.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 24                 | 4.2                 | 2.4  | ----- | 4.2     | 4.7  | ----- | 4.2      | 7.3  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 29                 | 0.0                 | 3.3  | ----- | 3.4     | 5.8  | ----- | 6.9      | 7.8  | ----- |
| Open Reduction of Hip Fracture.....        | 24                 | 16.7                | 6.4  | ----- | 16.7    | 11.4 | ----- | 20.8     | 14.8 | ----- |
| Prostatectomy.....                         | 34                 | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.8  | ----- |
| Cholecystectomy.....                       | 31                 | 3.2                 | 2.2  | ----- | 3.2     | 4.1  | ----- | 6.5      | 5.6  | ----- |
| Hysterectomy.....                          | 12                 | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# OZARKS MEDICAL CENTER

Medicare Provider Number: 260078

### FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

#### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.5 years |
| Proportion female.....        | 55.0 %     |

#### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 43.3 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 43.5 % |
| Admitted for emergency.....                    | 54.4 % |

#### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.9 %  |
| Chronic cardiovascular disease..... | 36.7 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 2.6 %  |
| Chronic pulmonary disease.....      | 17.0 % |
| Cerebrovascular degeneration.....   | 5.1 %  |
| Diabetes mellitus.....              | 7.4 %  |

### ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

#### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 54.1%  |
| State .....         | 35.2%  |
| Outside State ..... | 10.7%  |
| Total .....         | 100.0% |

#### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.2 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

### HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

#### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 118                 |
| Occupancy Rate .....       | 71.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 49.8 %              |
| Case Mix Index (CMI) ..... | 1.1004              |

#### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 61     |
| Percent of Physicians Board<br>Certified Specialists..... | 59.0 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 100    |
| Licensed Practical Nurses .....                           | 105    |

#### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

#### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# PARK LANE MEDICAL CENTER

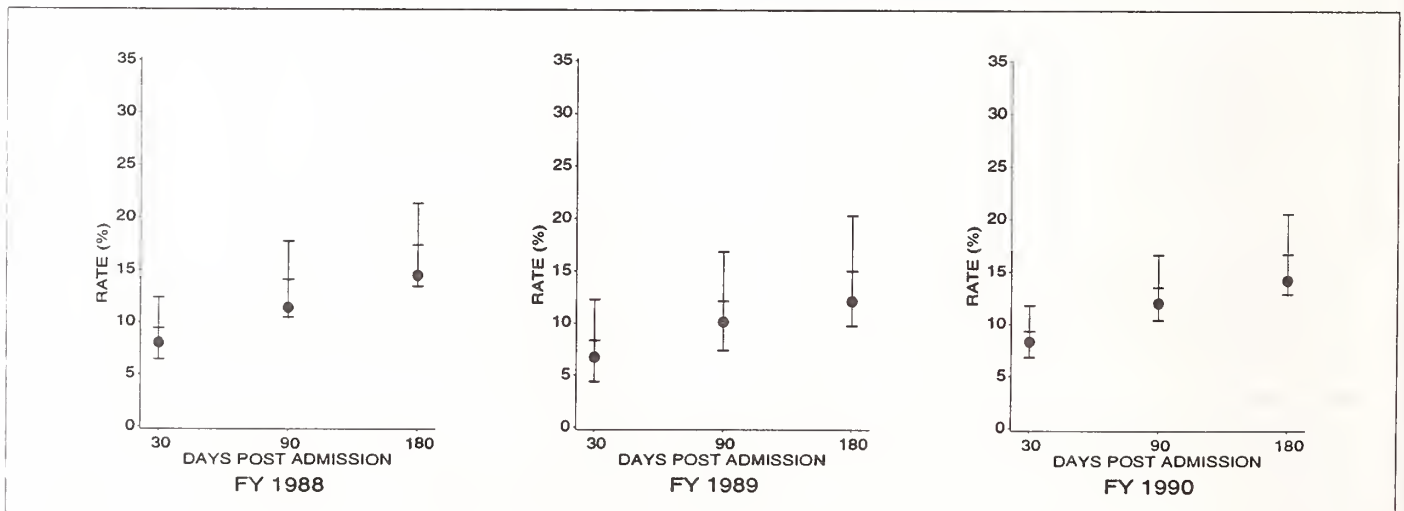
5151 RAYTOWN ROAD  
KANSAS CITY, MO 64133  
Medicare Provider Number: 260188

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 627             | 8.3                 | 9.3  | 1.2  | 12.0    | 13.5 | 1.6  | 14.2     | 16.7 | 1.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 22              | 31.8                | 35.4 | ---- | 36.4    | 39.0 | ---- | 40.9     | 42.0 | ---- |
| Congestive Heart Failure.....              | 32              | 15.6                | 14.4 | ---- | 25.0    | 22.4 | ---- | 28.1     | 28.3 | ---- |
| Pneumonia/Influenza.....                   | 28              | 7.1                 | 13.6 | ---- | 17.9    | 18.5 | ---- | 21.4     | 22.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 16              | 6.3                 | 7.9  | ---- | 6.3     | 13.2 | ---- | 6.3      | 16.9 | ---- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 3.7  | ---- | 0.0     | 8.1  | ---- | 0.0      | 12.9 | ---- |
| Stroke.....                                | 22              | 13.6                | 23.0 | ---- | 18.2    | 28.5 | ---- | 27.3     | 32.4 | ---- |
| Hip Fracture.....                          | 27              | 7.4                 | 6.2  | ---- | 7.4     | 10.6 | ---- | 7.4      | 13.6 | ---- |
| Sepsis.....                                | 3               | 33.3                | 32.3 | ---- | 33.3    | 38.0 | ---- | 66.7     | 42.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 4.6  | ---- | 0.0     | 10.8 | ---- | 0.0      | 17.2 | ---- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 1.2  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.3  | ---- |
| Hip Replacement/Reconstruction.....        | 17              | 0.0                 | 4.3  | ---- | 0.0     | 7.6  | ---- | 0.0      | 10.1 | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 10.0                | 6.9  | ---- | 10.0    | 12.0 | ---- | 10.0     | 15.1 | ---- |
| Prostatectomy.....                         | 24              | 0.0                 | 0.8  | ---- | 0.0     | 1.8  | ---- | 0.0      | 3.0  | ---- |
| Cholecystectomy.....                       | 6               | 16.7                | 6.5  | ---- | 16.7    | 14.2 | ---- | 16.7     | 20.5 | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.4  | ---- | 0.0     | 1.0  | ---- | 0.0      | 1.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PARK LANE MEDICAL CENTER

Medicare Provider Number: 260188

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.2 years  
Proportion female..... 61.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 56.1 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 39.4 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 19.5 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.7%  
State..... 8.7%  
Outside State..... 3.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.6 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 89  
Occupancy Rate..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 51.1 %  
Case Mix Index (CMI)..... 1.1603

### STAFFING:

Total Number of Physicians..... 126  
Percent of Physicians Board  
Certified Specialists..... 53.2 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 37  
Licensed Practical Nurses..... 27

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PEMISCOT MEMORIAL HOSPITAL

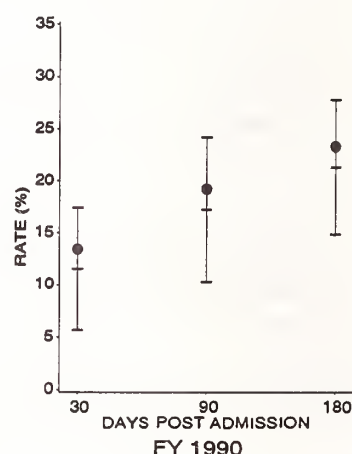
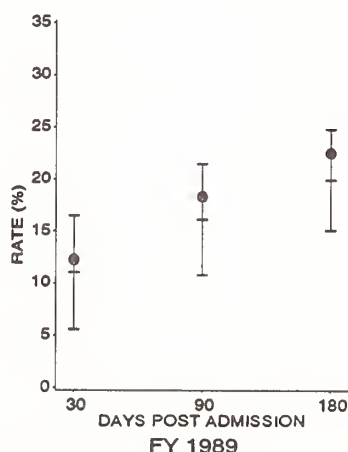
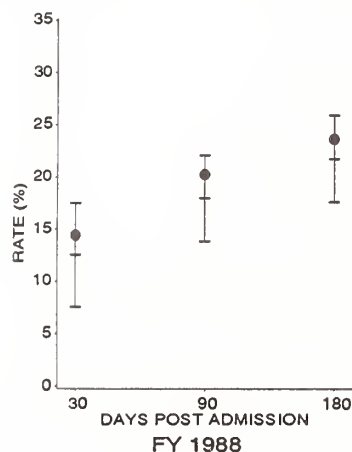
HWY 61 AND LEE, BOX 489  
HAYTI, MO 63851  
Medicare Provider Number: 260070

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 417                | 13.4                | 11.5 | 2.9  | 19.2    | 17.2 | 3.5  | 23.3     | 21.3 | 3.2  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 17                 | 41.2                | 25.3 | ---- | 47.1    | 28.8 | ---- | 47.1     | 31.7 | ---- |
| Congestive Heart Failure.....              | 44                 | 13.6                | 16.8 | ---- | 25.0    | 25.0 | ---- | 31.8     | 30.8 | ---- |
| Pneumonia/Influenza.....                   | 52                 | 15.4                | 15.1 | 6.5  | 23.1    | 20.9 | 6.5  | 25.0     | 24.8 | 6.0  |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 0.0                 | 10.7 | ---- | 0.0     | 18.8 | ---- | 0.0      | 24.4 | ---- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 1.9  | ---- | 12.5    | 4.1  | ---- | 12.5     | 6.4  | ---- |
| Stroke.....                                | 35                 | 48.6                | 19.4 | ---- | 51.4    | 27.0 | ---- | 51.4     | 31.9 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 4                  | 25.0                | 17.3 | ---- | 25.0    | 27.2 | ---- | 25.0     | 32.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.1  | ---- |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 17                 | 0.0                 | 1.8  | ---- | 0.0     | 4.5  | ---- | 0.0      | 7.7  | ---- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 1.0  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.1  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PEMISCOT MEMORIAL HOSPITAL

Medicare Provider Number: 260070

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.2 years |
| Proportion female.....        | 60.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 25.9 % |
| Transferred from skilled nursing facility..... | 6.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 1.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.4 %  |
| Chronic cardiovascular disease..... | 37.6 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 1.9 %  |
| Chronic pulmonary disease.....      | 31.7 % |
| Cerebrovascular degeneration.....   | 6.5 %  |
| Diabetes mellitus.....              | 6.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 81.6%  |
| State .....         | 16.2%  |
| Outside State ..... | 2.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.1 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 163              |
| Occupancy Rate .....       | 63.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 35.2 %           |
| Case Mix Index (CMI) ..... | 1.0517           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 22     |
| Percent of Physicians Board<br>Certified Specialists ..... | 45.5 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 32     |
| Licensed Practical Nurses .....                            | 40     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# PERRY COUNTY MEMORIAL HOSPITAL

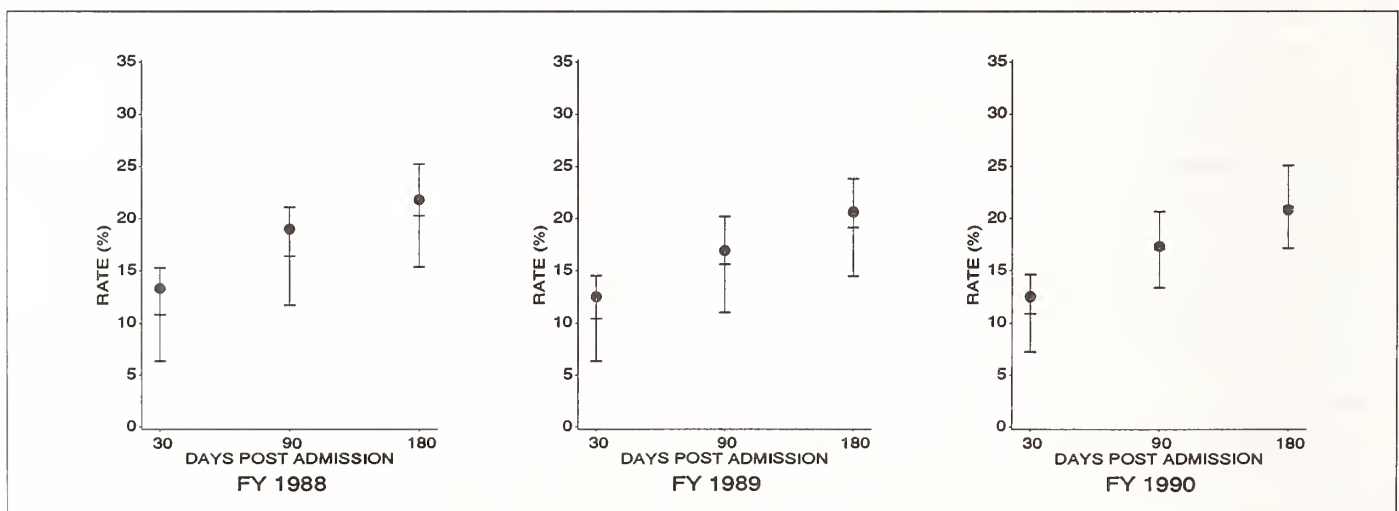
434 N WEST ST  
PERRYVILLE, MO 63775  
Medicare Provider Number: 260082

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 456                | 12.5                | 10.9 | 1.9   | 17.3    | 17.0 | 1.8   | 20.8     | 21.1 | 2.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3                  | 0.0                 | 20.1 | ----- | 0.0     | 25.0 | ----- | 0.0      | 29.8 | ----- |
| Congestive Heart Failure.....              | 25                 | 12.0                | 14.7 | ----- | 24.0    | 23.1 | ----- | 32.0     | 30.2 | ----- |
| Pneumonia/Influenza.....                   | 78                 | 15.4                | 12.1 | 7.5   | 20.5    | 16.8 | 7.3   | 25.6     | 20.3 | 6.8   |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 14.3                | 7.7  | ----- | 14.3    | 13.5 | ----- | 28.6     | 18.2 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 2.0  | ----- | 0.0     | 5.1  | ----- | 0.0      | 9.3  | ----- |
| Stroke.....                                | 52                 | 11.5                | 16.5 | 5.8   | 15.4    | 24.5 | 8.1   | 19.2     | 29.2 | 9.4   |
| Hip Fracture.....                          | 9                  | 22.2                | 7.3  | ----- | 33.3    | 12.7 | ----- | 33.3     | 16.3 | ----- |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 6                  | 16.7                | 5.6  | ----- | 33.3    | 10.6 | ----- | 33.3     | 14.5 | ----- |
| Open Reduction of Hip Fracture.....        | 3                  | 33.3                | 9.0  | ----- | 33.3    | 14.9 | ----- | 33.3     | 18.3 | ----- |
| Prostatectomy.....                         | 13                 | 0.0                 | 0.7  | ----- | 7.7     | 1.7  | ----- | 7.7      | 3.1  | ----- |
| Cholecystectomy.....                       | 5                  | 0.0                 | 0.6  | ----- | 20.0    | 1.2  | ----- | 20.0     | 1.7  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PERRY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260082

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.1 years  
Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.7 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 34.2 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 34.4 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 15.4 %  
Cerebrovascular degeneration..... 2.0 %  
Diabetes mellitus..... 4.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.3%  
State ..... 13.5%  
Outside State ..... 1.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 55  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 52.3 %  
Case Mix Index (CMI) ..... 1.1783

### STAFFING:

Total Number of Physicians..... 11  
Percent of Physicians Board  
Certified Specialists ..... 63.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 28  
Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PERSHING MEMORIAL HOSPITAL

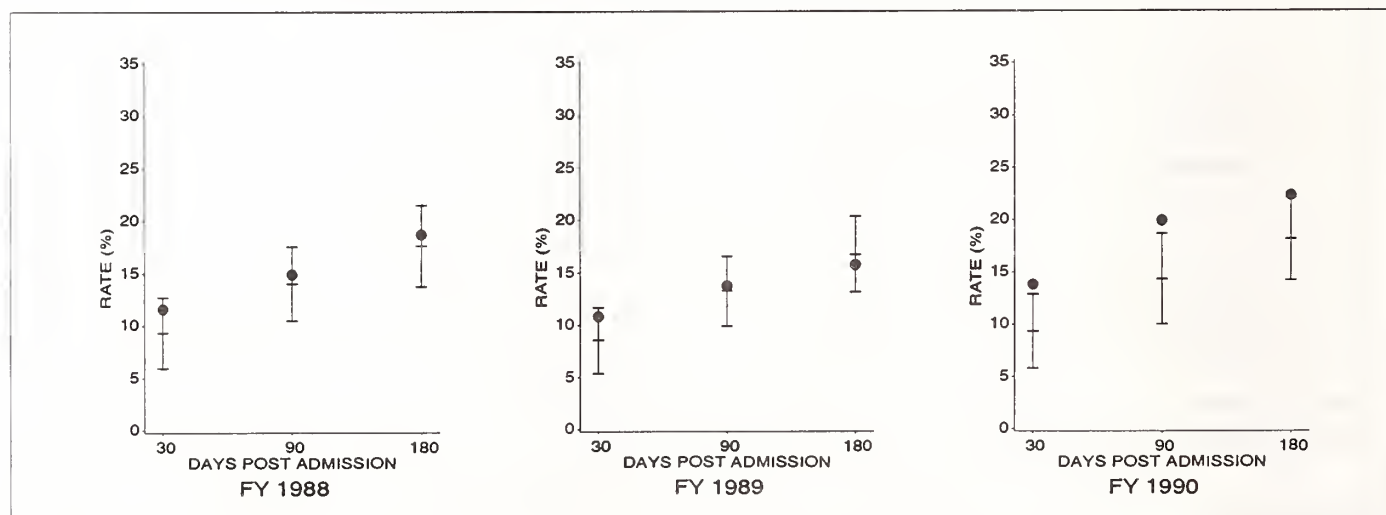
130 E LOCKLING  
BROOKFIELD, MO 64628  
Medicare Provider Number: 260079

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 538             | 13.8                | 9.3  | 1.8   | 19.9    | 14.3 | 2.2   | 22.3     | 18.1 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13              | 46.2                | 29.8 | ----- | 53.8    | 33.0 | ----- | 53.8     | 35.9 | ----- |
| Congestive Heart Failure.....              | 42              | 28.6                | 14.9 | ----- | 33.3    | 23.4 | ----- | 33.3     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 46              | 19.6                | 14.5 | ----- | 30.4    | 20.3 | ----- | 30.4     | 24.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 23              | 4.3                 | 8.3  | ----- | 4.3     | 14.9 | ----- | 4.3      | 19.5 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 20.0                | 2.0  | ----- | 20.0    | 4.6  | ----- | 20.0     | 7.6  | ----- |
| Stroke.....                                | 33              | 30.3                | 17.6 | ----- | 39.4    | 24.9 | ----- | 42.4     | 29.7 | ----- |
| Hip Fracture.....                          | 18              | 16.7                | 6.5  | ----- | 27.8    | 11.8 | ----- | 33.3     | 15.4 | ----- |
| Sepsis.....                                | 3               | 0.0                 | 36.0 | ----- | 33.3    | 44.9 | ----- | 33.3     | 49.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 5               | 20.0                | 3.6  | ----- | 40.0    | 7.5  | ----- | 40.0     | 10.7 | ----- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 6.0  | ----- | 18.2    | 11.3 | ----- | 27.3     | 15.0 | ----- |
| Prostatectomy.....                         | 14              | 7.1                 | 1.0  | ----- | 14.3    | 2.5  | ----- | 14.3     | 4.4  | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 1.9  | ----- | 0.0     | 3.2  | ----- | 0.0      | 3.9  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**PERSHING MEMORIAL HOSPITAL**  
Medicare Provider Number: 260079

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.9 years  
Proportion female..... 58.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 96.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.2 %  
Admitted for emergency..... 3.7 %

**COMORBIDITIES:**

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 37.4 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 19.3 %  
Cerebrovascular degeneration..... 6.7 %  
Diabetes mellitus..... 5.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 82.0%  
State ..... 17.2%  
Outside State ..... 0.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 5.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 52  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 48.8 %  
Case Mix Index (CMI) ..... 1.0254

**STAFFING:**

Total Number of Physicians..... 12  
Percent of Physicians Board  
Certified Specialists ..... 8.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 26  
Licensed Practical Nurses ..... 11

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PHELPS COUNTY REGIONAL MEDICAL CENTER

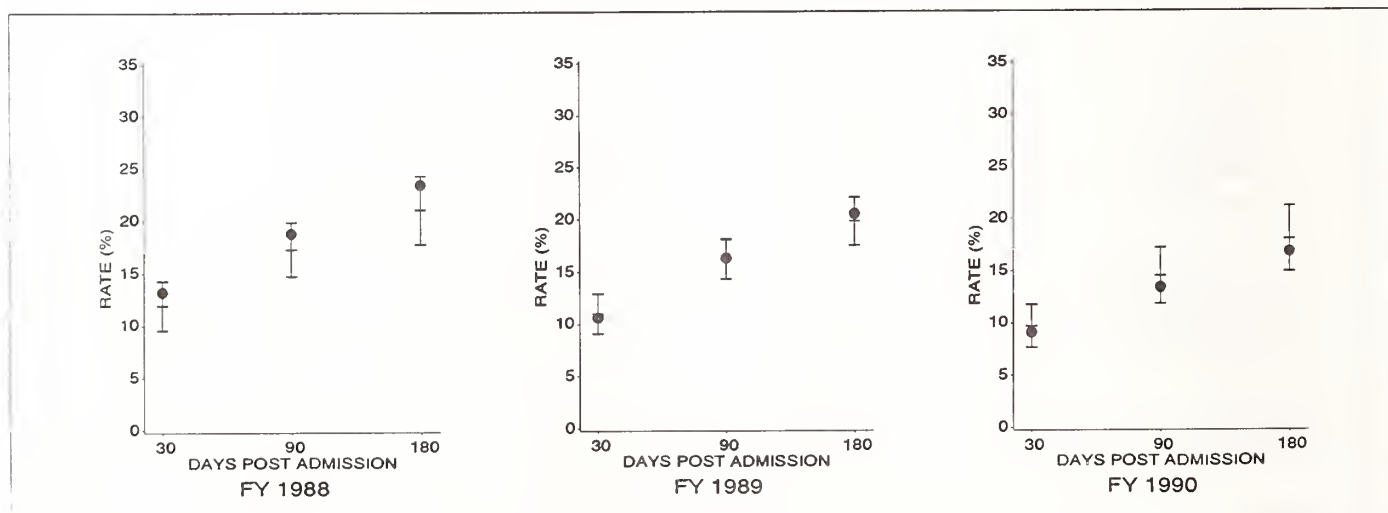
1000 W 10TH ST  
ROLLA, MO 65401  
Medicare Provider Number: 260017

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1694            | 9.1                 | 9.7  | 1.0  | 13.4    | 14.5 | 1.3  | 16.8     | 18.0 | 1.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 47              | 34.0                | 30.4 | ---- | 38.3    | 33.5 | ---- | 40.4     | 36.2 | ---- |
| Congestive Heart Failure.....              | 56              | 12.5                | 13.6 | 5.1  | 14.3    | 21.6 | 7.5  | 17.9     | 27.8 | 9.2  |
| Pneumonia/Influenza.....                   | 160             | 17.5                | 14.9 | 3.9  | 21.9    | 21.0 | 5.0  | 28.1     | 25.0 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 38              | 2.6                 | 10.8 | ---- | 13.2    | 18.3 | ---- | 15.8     | 23.5 | ---- |
| Transient Cerebral Ischemia.....           | 24              | 0.0                 | 1.8  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.7  | ---- |
| Stroke.....                                | 83              | 21.7                | 20.9 | 4.7  | 22.9    | 27.2 | 6.2  | 25.3     | 30.9 | 6.9  |
| Hip Fracture.....                          | 77              | 0.0                 | 5.8  | 6.2  | 2.6     | 10.1 | 7.8  | 5.2      | 13.1 | 8.0  |
| Sepsis.....                                | 19              | 26.3                | 21.6 | ---- | 36.8    | 28.7 | ---- | 42.1     | 32.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 21              | 4.8                 | 3.4  | ---- | 4.8     | 6.6  | ---- | 9.5      | 9.5  | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.3  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.8  | ---- |
| Hip Replacement/Reconstruction.....        | 42              | 0.0                 | 2.7  | ---- | 2.4     | 5.0  | ---- | 7.1      | 6.7  | ---- |
| Open Reduction of Hip Fracture.....        | 54              | 0.0                 | 5.5  | 5.8  | 1.9     | 9.8  | 7.6  | 1.9      | 13.0 | 9.4  |
| Prostatectomy.....                         | 71              | 0.0                 | 1.1  | 1.5  | 0.0     | 2.6  | 2.6  | 0.0      | 4.4  | 3.8  |
| Cholecystectomy.....                       | 17              | 0.0                 | 1.8  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.2  | ---- |
| Hysterectomy.....                          | 16              | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PHELPS COUNTY REGIONAL MEDICAL CENTER

Medicare Provider Number: 260017

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.9 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.1 %  
Transferred from skilled nursing facility..... 3.7 %  
Admitted for elective procedure..... 0.1 %  
Admitted for emergency..... 25.8 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 37.4 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 16.8 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 45.6%  
State ..... 52.5%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 222  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 36.8 %  
Case Mix Index (CMI) ..... 1.2541

### STAFFING:

Total Number of Physicians..... 88  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 129  
Licensed Practical Nurses ..... 61

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PIKE COUNTY MEMORIAL HOSPITAL

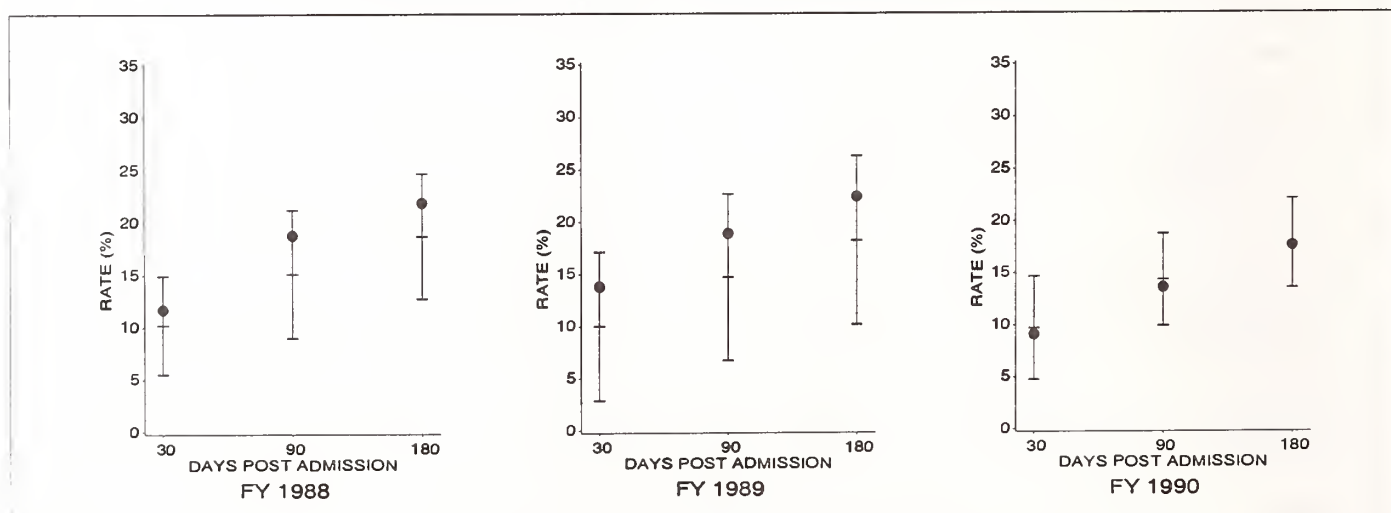
2305 W GEORGIA  
LOUISIANA, MO 63353  
Medicare Provider Number: 260127

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 353                | 9.1                 | 9.7  | 2.5  | 13.6    | 14.3 | 2.2  | 17.6     | 17.8 | 2.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9                  | 11.1                | 29.4 | ---- | 11.1    | 32.5 | ---- | 11.1     | 35.8 | ---- |
| Congestive Heart Failure.....              | 27                 | 18.5                | 15.2 | ---- | 29.6    | 24.1 | ---- | 37.0     | 30.1 | ---- |
| Pneumonia/Influenza.....                   | 43                 | 9.3                 | 13.7 | ---- | 14.0    | 19.0 | ---- | 16.3     | 22.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 6.4  | ---- | 0.0     | 11.8 | ---- | 20.0     | 17.1 | ---- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 1.5  | ---- | 14.3    | 3.6  | ---- | 14.3     | 6.1  | ---- |
| Stroke.....                                | 20                 | 10.0                | 17.6 | ---- | 20.0    | 23.5 | ---- | 25.0     | 27.5 | ---- |
| Hip Fracture.....                          | 10                 | 10.0                | 6.9  | ---- | 20.0    | 12.7 | ---- | 20.0     | 16.9 | ---- |
| Sepsis.....                                | 11                 | 9.1                 | 30.2 | ---- | 9.1     | 35.0 | ---- | 18.2     | 39.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2                  | 0.0                 | 2.9  | ---- | 50.0    | 5.8  | ---- | 50.0     | 8.7  | ---- |
| Open Reduction of Hip Fracture.....        | 5                  | 20.0                | 4.9  | ---- | 20.0    | 9.0  | ---- | 20.0     | 11.9 | ---- |
| Prostatectomy.....                         | 6                  | 0.0                 | 0.3  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.4  | ---- |
| Cholecystectomy.....                       | 4                  | 0.0                 | 1.6  | ---- | 0.0     | 3.2  | ---- | 25.0     | 4.7  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PIKE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260127

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 61.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 39.7 %  
Admitted for emergency..... 13.9 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 36.5 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 5.1 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 9.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 85.7%  
State..... 7.2%  
Outside State..... 7.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.8 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 44  
Occupancy Rate..... 34.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 52.2 %  
Case Mix Index (CMI)..... 0.9909

### STAFFING:

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists..... 20.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 29  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PUTNAM COUNTY MEMORIAL HOSPITAL

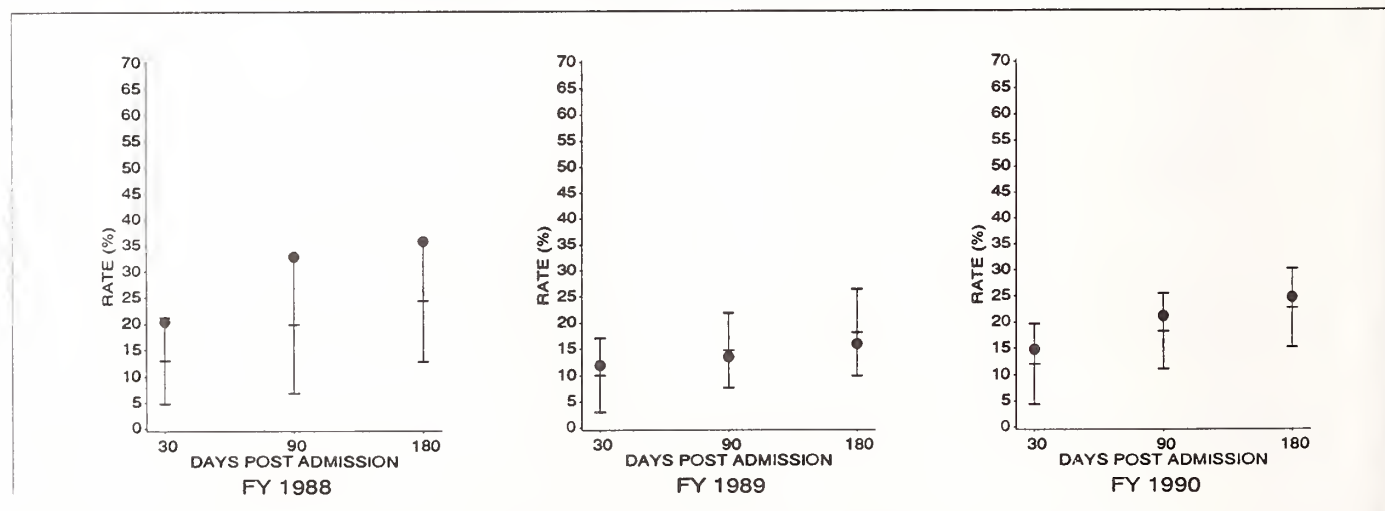
1926 OAK ST  
UNIONVILLE, MO 63565  
Medicare Provider Number: 260128

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 142             | 14.8                | 12.0 | 3.8  | 21.1    | 18.2 | 3.6  | 24.6     | 22.6 | 3.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 11              | 45.5                | 29.1 | ---- | 45.5    | 32.9 | ---- | 45.5     | 36.1 | ---- |
| Congestive Heart Failure.....              | 15              | 33.3                | 14.3 | ---- | 46.7    | 23.0 | ---- | 53.3     | 28.5 | ---- |
| Pneumonia/Influenza.....                   | 17              | 23.5                | 16.1 | ---- | 23.5    | 23.8 | ---- | 23.5     | 28.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 10.1 | ---- | 25.0    | 19.5 | ---- | 25.0     | 27.4 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.0  | ---- | 0.0     | 2.8  | ---- | 0.0      | 4.9  | ---- |
| Stroke.....                                | 8               | 0.0                 | 17.0 | ---- | 12.5    | 23.9 | ---- | 12.5     | 28.5 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 5               | 20.0                | 16.8 | ---- | 20.0    | 23.4 | ---- | 20.0     | 28.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 5               | 0.0                 | 1.1  | ---- | 0.0     | 2.8  | ---- | 0.0      | 4.8  | ---- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.3  | ---- | 0.0     | 2.2  | ---- | 0.0      | 2.8  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PUTNAM COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260128

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.5 years  
Proportion female..... 59.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 99.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.7 %

### COMORBIDITIES:

Cancer..... 8.5 %  
Chronic cardiovascular disease..... 24.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 24.6 %  
Cerebrovascular degeneration..... 8.5 %  
Diabetes mellitus..... 11.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 81.3%  
State..... 14.0%  
Outside State..... 4.7%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.4 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 30  
Occupancy Rate..... 56.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 53.4 %  
Case Mix Index (CMI)..... 1.0491

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RAY COUNTY MEMORIAL HOSPITAL

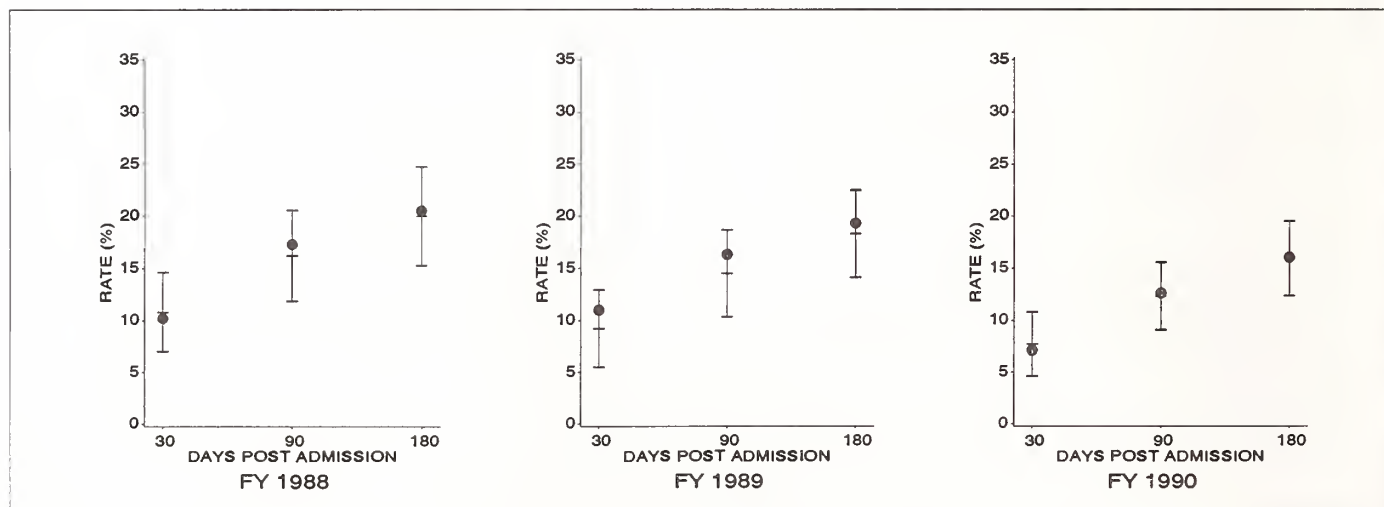
RT 4, BOX 45  
RICHMOND, MO 64085  
Medicare Provider Number: 260122

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 420             | 7.1                 | 7.7  | 1.6   | 12.6    | 12.3 | 1.6   | 16.0     | 15.9 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 28.6                | 28.2 | ----- | 28.6    | 31.1 | ----- | 28.6     | 34.6 | ----- |
| Congestive Heart Failure.....              | 33              | 9.1                 | 12.0 | ----- | 24.2    | 19.4 | ----- | 24.2     | 25.4 | ----- |
| Pneumonia/Influenza.....                   | 43              | 9.3                 | 10.9 | ----- | 14.0    | 15.5 | ----- | 23.3     | 18.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 3.4  | ----- | 0.0     | 6.5  | ----- | 0.0      | 9.8  | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.3  | ----- | 20.0    | 3.1  | ----- | 20.0     | 5.4  | ----- |
| Stroke.....                                | 12              | 8.3                 | 12.8 | ----- | 16.7    | 18.5 | ----- | 25.0     | 22.8 | ----- |
| Hip Fracture.....                          | 16              | 0.0                 | 7.9  | ----- | 18.8    | 13.5 | ----- | 18.8     | 17.3 | ----- |
| Sepsis.....                                | 5               | 20.0                | 15.5 | ----- | 40.0    | 22.0 | ----- | 40.0     | 26.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 4.4  | ----- | 25.0    | 8.7  | ----- | 25.0     | 11.9 | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 0.0                 | 8.9  | ----- | 20.0    | 15.1 | ----- | 20.0     | 19.3 | ----- |
| Prostatectomy.....                         | 1               | 0.0                 | 0.7  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.2  | ----- |
| Cholecystectomy.....                       | 24              | 4.2                 | 1.9  | ----- | 4.2     | 3.8  | ----- | 4.2      | 5.3  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# RAY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260122

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 68.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 65.7 %  
Admitted for emergency..... 31.2 %

### COMORBIDITIES:

Cancer..... 5.5 %  
Chronic cardiovascular disease..... 42.9 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 21.9 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 11.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.2%  
State ..... 20.6%  
Outside State ..... 1.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 49  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 65.5 %  
Case Mix Index (CMI) ..... 1.2145

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists ..... 33.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 29  
Licensed Practical Nurses ..... 15

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RESEARCH MEDICAL CENTER

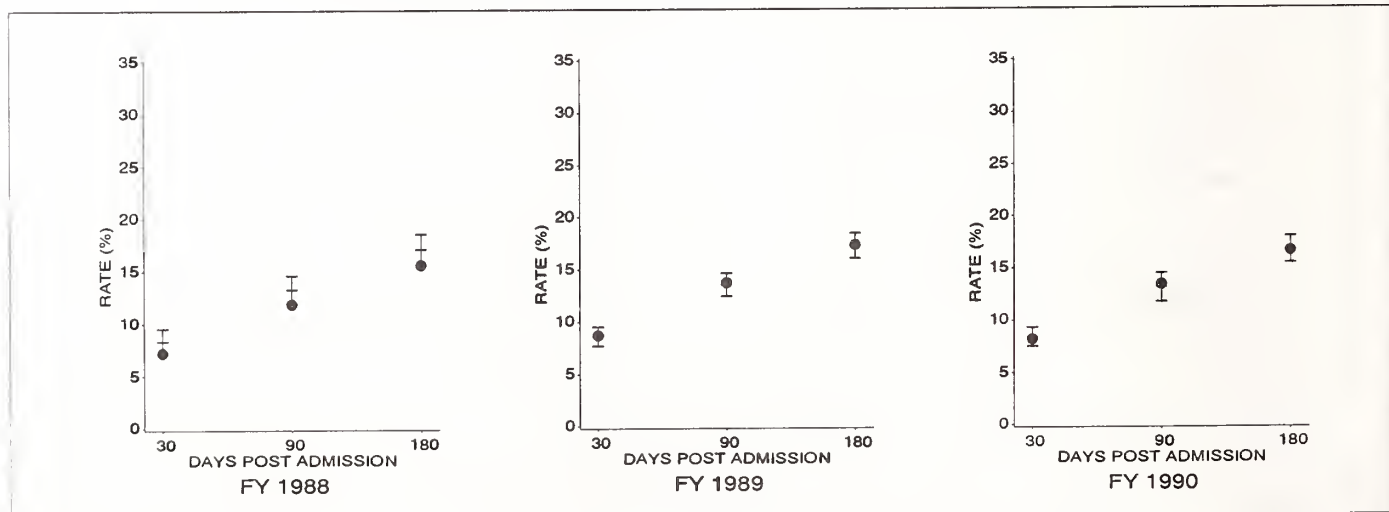
2316 E MEYER BLVD  
KANSAS CITY, MO 64132  
Medicare Provider Number: 260027

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3946            | 8.2                 | 8.4  | 0.5  | 13.4    | 13.1 | 0.7  | 16.6     | 16.7 | 0.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 132             | 20.5                | 24.1 | 4.6  | 27.3    | 26.8 | 3.9  | 28.8     | 29.6 | 4.2  |
| Congestive Heart Failure.....              | 193             | 8.8                 | 13.0 | 3.4  | 16.1    | 20.8 | 5.0  | 20.2     | 26.9 | 5.4  |
| Pneumonia/Influenza.....                   | 118             | 6.8                 | 13.5 | 4.7  | 12.7    | 19.2 | 5.6  | 16.1     | 22.8 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 102             | 7.8                 | 6.4  | 2.7  | 16.7    | 11.8 | 4.3  | 23.5     | 15.9 | 5.8  |
| Transient Cerebral Ischemia.....           | 50              | 0.0                 | 1.6  | ---- | 6.0     | 3.7  | ---- | 6.0      | 6.1  | ---- |
| Stroke.....                                | 142             | 13.4                | 17.7 | 5.7  | 19.7    | 23.1 | 4.9  | 26.8     | 26.7 | 4.8  |
| Hip Fracture.....                          | 97              | 7.2                 | 5.8  | 2.7  | 8.2     | 10.6 | 3.7  | 13.4     | 14.1 | 3.6  |
| Sepsis.....                                | 31              | 22.6                | 23.7 | ---- | 32.3    | 32.2 | ---- | 35.5     | 36.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 28              | 0.0                 | 3.6  | ---- | 0.0     | 4.4  | ---- | 7.1      | 5.4  | ---- |
| Coronary Artery Bypass Graft.....          | 59              | 5.1                 | 5.1  | 2.9  | 5.1     | 6.6  | 3.5  | 6.8      | 7.4  | 3.9  |
| Initial Pacemaker Insertion.....           | 22              | 0.0                 | 2.6  | ---- | 0.0     | 5.4  | ---- | 4.5      | 8.1  | ---- |
| Carotid Endarterectomy.....                | 39              | 2.6                 | 1.5  | ---- | 7.7     | 2.9  | ---- | 7.7      | 4.2  | ---- |
| Hip Replacement/Reconstruction.....        | 107             | 0.9                 | 2.4  | 2.1  | 2.8     | 4.4  | 2.7  | 5.6      | 6.1  | 2.4  |
| Open Reduction of Hip Fracture.....        | 40              | 10.0                | 5.3  | ---- | 10.0    | 10.0 | ---- | 15.0     | 13.6 | ---- |
| Prostatectomy.....                         | 125             | 0.8                 | 1.2  | 1.8  | 2.4     | 2.8  | 2.3  | 4.8      | 4.8  | 2.1  |
| Cholecystectomy.....                       | 79              | 3.8                 | 2.3  | 3.8  | 6.3     | 4.3  | 4.8  | 8.9      | 6.0  | 4.6  |
| Hysterectomy.....                          | 47              | 0.0                 | 0.8  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RESEARCH MEDICAL CENTER

Medicare Provider Number: 260027

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
 Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 75.5 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 21.7 %  
 Admitted for emergency..... 27.9 %

### COMORBIDITIES:

Cancer..... 9.0 %  
 Chronic cardiovascular disease..... 35.0 %  
 Chronic liver disease..... 0.7 %  
 Chronic renal disease..... 4.0 %  
 Chronic pulmonary disease..... 19.4 %  
 Cerebrovascular degeneration..... 4.6 %  
 Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.9%  
 State ..... 33.3%  
 Outside State ..... 10.8%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 10.0 Days  
 State ..... 8.4 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 501  
 Ownership/Control..... Private, Non-Profit  
 Case Mix Index (CMI) ..... 1.5048

### STAFFING:

Medical Residents/Interns ..... 3  
 Registered Nurses..... 496  
 Licensed Practical Nurses ..... 77

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Coronary Care Unit ..... Yes  
 Hospice Care ..... Yes  
 Intensive Care Unit ..... Yes  
 Organ Transplant ..... Yes  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... Yes  
 Psychiatric ..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# REYNOLDS COUNTY GENERAL MEM HOSPITAL

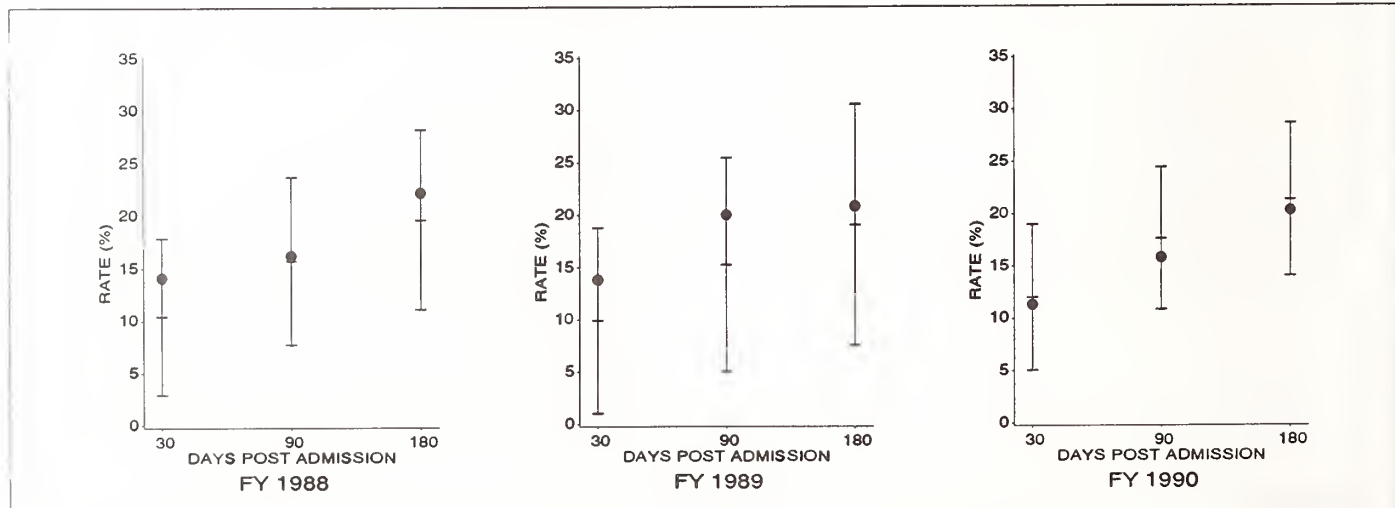
HWY 21 S, BOX 250  
ELLINGTON, MO 63638  
Medicare Provider Number: 260189

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 133             | 11.3                | 12.0 | 3.5   | 15.8    | 17.6 | 3.4   | 20.3     | 21.3 | 3.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 0.0                 | 23.0 | ----- | 0.0     | 25.9 | ----- | 0.0      | 28.6 | ----- |
| Congestive Heart Failure.....              | 4               | 0.0                 | 6.8  | ----- | 0.0     | 10.8 | ----- | 0.0      | 14.3 | ----- |
| Pneumonia/Influenza.....                   | 15              | 13.3                | 16.7 | ----- | 20.0    | 23.9 | ----- | 20.0     | 27.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 3.9  | ----- | 0.0     | 8.1  | ----- | 25.0     | 12.0 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.6  | ----- |
| Stroke.....                                | 4               | 25.0                | 23.5 | ----- | 25.0    | 34.2 | ----- | 25.0     | 39.8 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.6  | ----- |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# REYNOLDS COUNTY GENERAL MEM HOSPITAL

Medicare Provider Number: 260189

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 67.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 82.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.8 %  
Admitted for emergency..... 21.1 %

### COMORBIDITIES:

Cancer..... 7.5 %  
Chronic cardiovascular disease..... 42.9 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 22.6 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 5.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.0%  
State ..... 16.1%  
Outside State ..... 3.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 29  
Occupancy Rate ..... 27.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 45.0 %  
Case Mix Index (CMI) ..... 1.0279

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists ..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 8  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIPLEY COUNTY MEMORIAL HOSPITAL

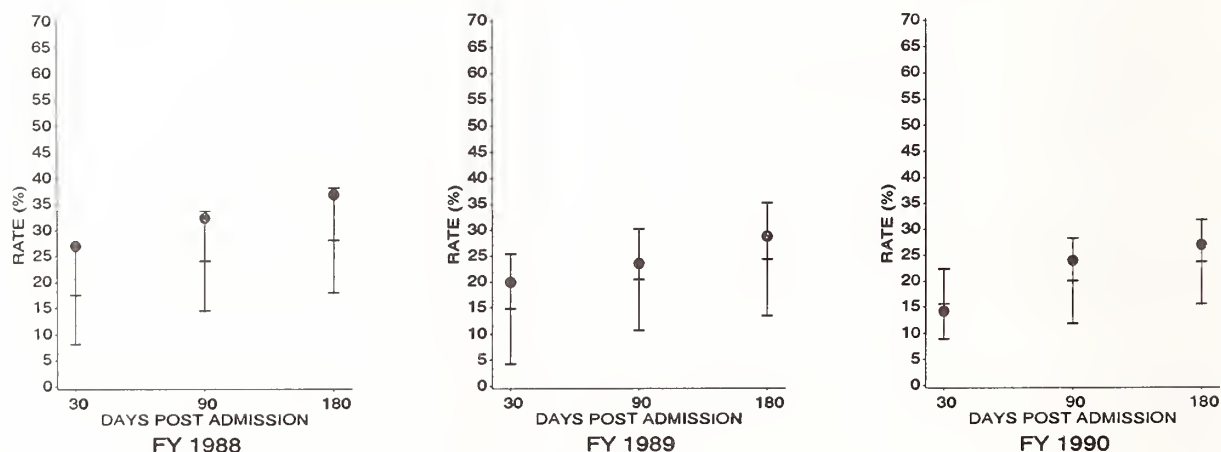
GRAND AND PLUM STREET  
DONIPHAN, MO 63935  
Medicare Provider Number: 260080

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 134             | 14.2                | 15.6 | 3.4   | 23.9    | 20.0 | 4.1   | 26.9     | 23.6 | 4.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12              | 50.0                | 38.7 | ----- | 50.0    | 41.6 | ----- | 50.0     | 45.6 | ----- |
| Congestive Heart Failure.....              | 18              | 27.8                | 17.2 | ----- | 44.4    | 24.5 | ----- | 44.4     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 16              | 6.3                 | 12.9 | ----- | 18.8    | 17.7 | ----- | 25.0     | 21.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 4.2  | ----- | 0.0     | 9.0  | ----- | 0.0      | 14.2 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.8  | ----- |
| Stroke.....                                | 8               | 0.0                 | 21.3 | ----- | 12.5    | 26.0 | ----- | 12.5     | 29.1 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 46.3 | ----- | 100.0   | 62.8 | ----- | 100.0    | 69.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIPLEY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260080

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years  
Proportion female..... 67.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 26.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 26.9 %  
Admitted for emergency..... 72.4 %

### COMORBIDITIES:

Cancer..... 3.0 %  
Chronic cardiovascular disease..... 48.5 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 10.4 %  
Cerebrovascular degeneration..... 1.5 %  
Diabetes mellitus..... 11.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.8%  
State ..... 8.3%  
Outside State ..... 3.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 12.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 26  
Occupancy Rate ..... 61.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 45.5 %  
Case Mix Index (CMI) ..... 1.0891

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SAC-OSAGE HOSPITAL

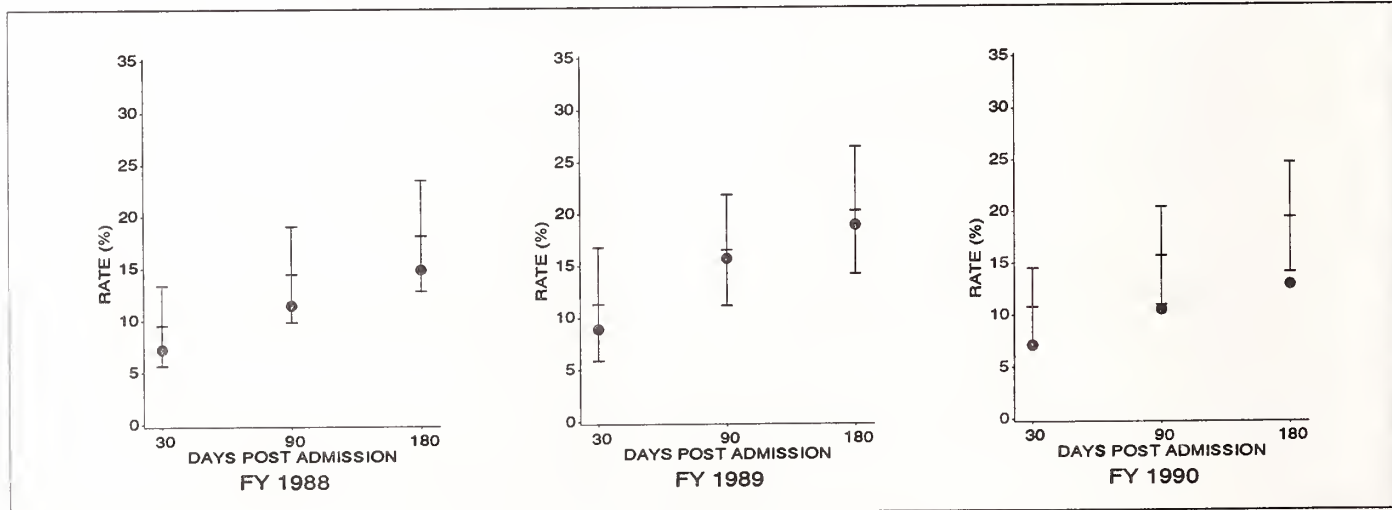
P O BOX 426  
OSCEOLA, MO 64776  
Medicare Provider Number: 260147

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 410             | 7.1                 | 10.8 | 1.9   | 10.5    | 15.7 | 2.4   | 12.9     | 19.4 | 2.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12              | 0.0                 | 34.5 | ----- | 0.0     | 37.0 | ----- | 0.0      | 39.9 | ----- |
| Congestive Heart Failure.....              | 37              | 10.8                | 14.7 | ----- | 18.9    | 23.5 | ----- | 18.9     | 30.2 | ----- |
| Pneumonia/Influenza.....                   | 46              | 17.4                | 16.1 | ----- | 30.4    | 22.5 | ----- | 34.8     | 26.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 21              | 0.0                 | 6.6  | ----- | 0.0     | 12.0 | ----- | 0.0      | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.7  | ----- | 0.0     | 4.1  | ----- | 0.0      | 6.9  | ----- |
| Stroke.....                                | 20              | 5.0                 | 18.5 | ----- | 20.0    | 24.3 | ----- | 20.0     | 28.2 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 10              | 10.0                | 25.5 | ----- | 10.0    | 34.2 | ----- | 20.0     | 39.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.4  | ----- | 0.0     | 2.1  | ----- | 0.0      | 2.7  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$ 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SAC-OSAGE HOSPITAL

Medicare Provider Number: 260147

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.6 years |
| Proportion female.....        | 57.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 34.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.2 %  |
| Admitted for emergency.....                    | 24.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.1 %  |
| Chronic cardiovascular disease..... | 31.5 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 0.7 %  |
| Chronic pulmonary disease.....      | 14.4 % |
| Cerebrovascular degeneration.....   | 6.8 %  |
| Diabetes mellitus.....              | 4.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 51.8%  |
| State .....         | 46.5%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.0 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 47                 |
| Occupancy Rate .....       | 51.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 54.0 %             |
| Case Mix Index (CMI) ..... | 0.9896             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 4      |
| Percent of Physicians Board<br>Certified Specialists ..... | 75.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 17     |
| Licensed Practical Nurses .....                            | 10     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SALE HOSPITAL INC

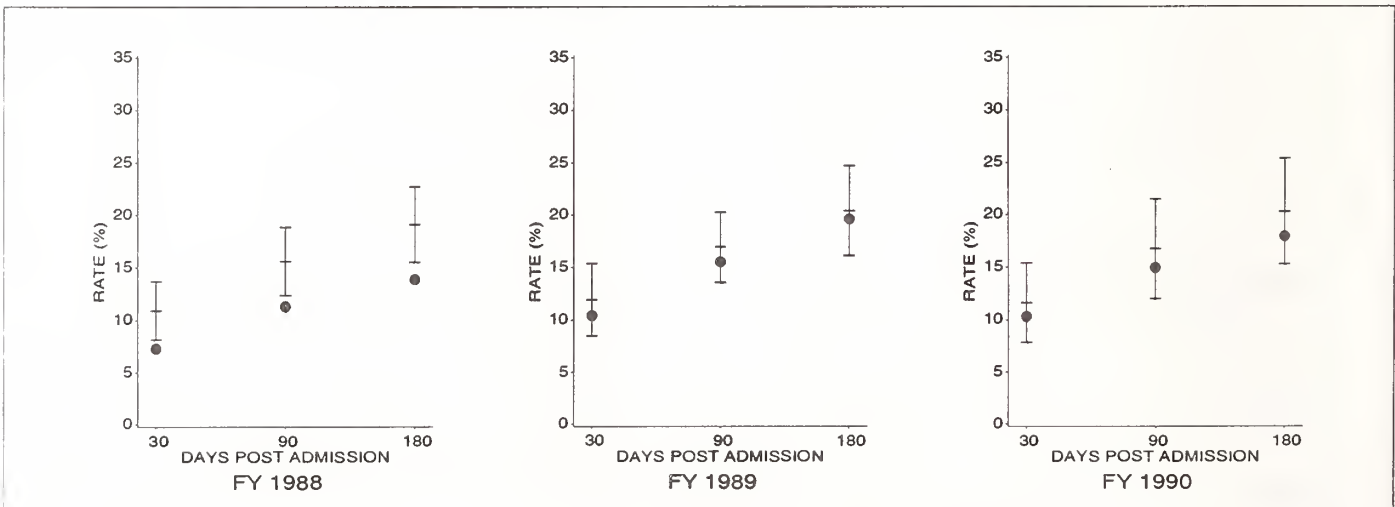
113 W HICKORY  
NEOSHO, MO 64850  
Medicare Provider Number: 260053

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 783             | 10.3                | 11.6 | 1.9  | 14.9    | 16.7 | 2.4  | 17.9     | 20.3 | 2.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 31              | 29.0                | 27.6 | ---- | 35.5    | 31.2 | ---- | 35.5     | 34.1 | ---- |
| Congestive Heart Failure.....              | 41              | 19.5                | 17.3 | ---- | 24.4    | 26.0 | ---- | 26.8     | 32.4 | ---- |
| Pneumonia/Influenza.....                   | 53              | 7.5                 | 17.0 | 8.2  | 15.1    | 23.7 | 8.8  | 20.8     | 27.4 | 9.2  |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 9.2  | ---- | 18.2    | 16.1 | ---- | 36.4     | 21.4 | ---- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 3.5  | ---- | 0.0     | 7.7  | ---- | 8.3      | 11.9 | ---- |
| Stroke.....                                | 43              | 16.3                | 23.3 | ---- | 23.3    | 29.6 | ---- | 23.3     | 33.8 | ---- |
| Hip Fracture.....                          | 11              | 9.1                 | 7.9  | ---- | 18.2    | 13.8 | ---- | 18.2     | 17.9 | ---- |
| Sepsis.....                                | 10              | 30.0                | 27.6 | ---- | 30.0    | 38.3 | ---- | 30.0     | 43.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 1.4  | ---- | 0.0     | 3.1  | ---- | 0.0      | 5.3  | ---- |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 2.0  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.0  | ---- |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 10              | 10.0                | 7.5  | ---- | 20.0    | 13.6 | ---- | 20.0     | 17.9 | ---- |
| Prostatectomy.....                         | 20              | 0.0                 | 1.1  | ---- | 0.0     | 2.8  | ---- | 0.0      | 4.9  | ---- |
| Cholecystectomy.....                       | 21              | 4.8                 | 2.9  | ---- | 4.8     | 5.9  | ---- | 4.8      | 8.1  | ---- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.6  | ---- | 0.0     | 1.2  | ---- | 0.0      | 1.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**SALE HOSPITAL INC**  
Medicare Provider Number: 260053

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.8 years  
Proportion female..... 60.8 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 0.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.6 %  
Admitted for emergency..... 53.5 %

**COMORBIDITIES:**

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 33.6 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 12.1 %  
Cerebrovascular degeneration..... 7.7 %  
Diabetes mellitus..... 5.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 69.7%  
State ..... 26.1%  
Outside State ..... 4.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 67  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 61.5 %  
Case Mix Index (CMI) ..... 1.0992

**STAFFING:**

Total Number of Physicians..... 17  
Percent of Physicians Board  
Certified Specialists ..... 82.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 36  
Licensed Practical Nurses..... 24

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SALEM MEMORIAL HOSPITAL DISTRICT

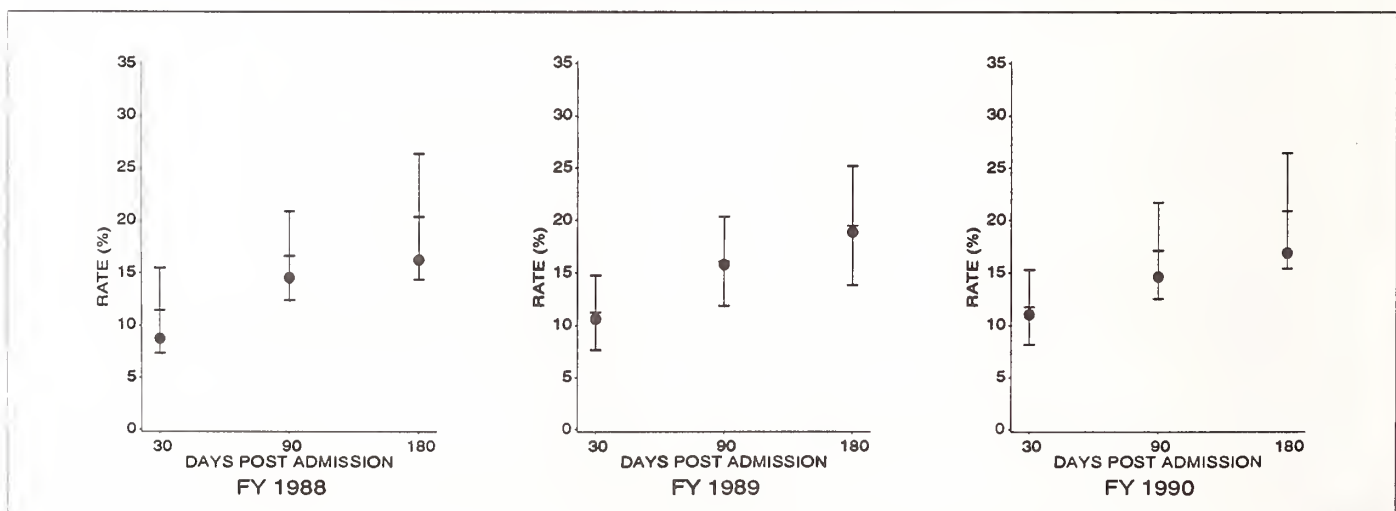
HIGHWAY 72 NORTH, BOX 774  
SALEM, MO 65560  
Medicare Provider Number: 260172

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 356             | 11.0                | 11.7 | 1.8   | 14.6    | 17.1 | 2.3   | 16.9     | 20.9 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 50.0                | 28.2 | ----- | 50.0    | 30.8 | ----- | 62.5     | 33.6 | ----- |
| Congestive Heart Failure.....              | 30              | 10.0                | 15.5 | ----- | 10.0    | 24.8 | ----- | 20.0     | 30.7 | ----- |
| Pneumonia/Influenza.....                   | 42              | 9.5                 | 17.9 | ----- | 11.9    | 24.6 | ----- | 14.3     | 28.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 16.9 | ----- | 40.0    | 27.1 | ----- | 40.0     | 33.6 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.7  | ----- | 0.0     | 4.0  | ----- | 0.0      | 6.5  | ----- |
| Stroke.....                                | 16              | 25.0                | 21.3 | ----- | 25.0    | 26.2 | ----- | 25.0     | 29.5 | ----- |
| Hip Fracture.....                          | 6               | 0.0                 | 6.2  | ----- | 0.0     | 10.3 | ----- | 0.0      | 13.4 | ----- |
| Sepsis.....                                | 2               | 50.0                | 22.5 | ----- | 50.0    | 27.6 | ----- | 50.0     | 32.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 5.0  | ----- | 0.0     | 8.5  | ----- | 0.0      | 10.8 | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 4.4  | ----- | 0.0     | 8.0  | ----- | 0.0      | 10.6 | ----- |
| Prostatectomy.....                         | 3               | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 0.0      | 5.2  | ----- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.7  | ----- | 16.7    | 2.8  | ----- | 16.7     | 3.6  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 9.0  | ----- | 0.0     | 19.5 | ----- | 0.0      | 28.3 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SALEM MEMORIAL HOSPITAL DISTRICT

Medicare Provider Number: 260172

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 27.2 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 72.2 %

### COMORBIDITIES:

Cancer..... 4.5 %  
Chronic cardiovascular disease..... 32.6 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 17.1 %  
Cerebrovascular degeneration..... 2.8 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.4%  
State ..... 15.8%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 25  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 73.5 %  
Case Mix Index (CMI) ..... 1.0305

### STAFFING:

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists ..... 33.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 19  
Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SAMARITAN MEMORIAL HOSPITAL

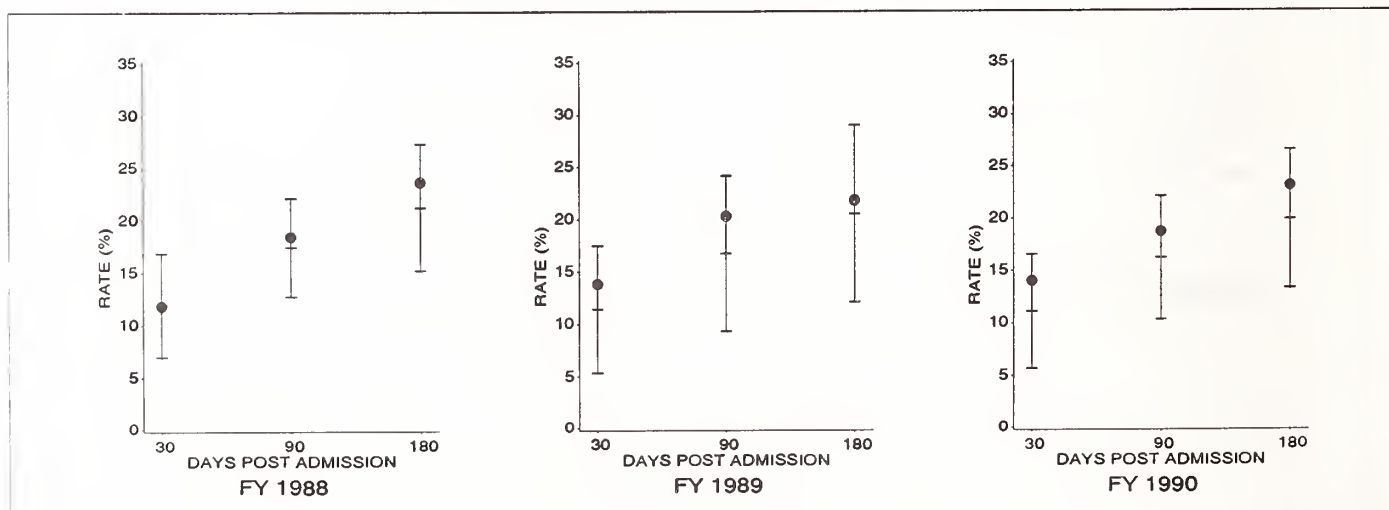
N JACKSON ST, BOX 217  
MACON, MO 63552  
Medicare Provider Number: 260100

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 386                | 14.0                | 11.1 | 2.7  | 18.7    | 16.2 | 3.0  | 23.1     | 19.9 | 3.3  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 15                 | 33.3                | 35.2 | ---- | 33.3    | 38.3 | ---- | 33.3     | 41.7 | ---- |
| Congestive Heart Failure.....              | 17                 | 11.8                | 13.4 | ---- | 11.8    | 21.1 | ---- | 17.6     | 27.0 | ---- |
| Pneumonia/Influenza.....                   | 38                 | 18.4                | 15.5 | ---- | 26.3    | 21.3 | ---- | 26.3     | 25.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 7.9  | ---- | 14.3    | 13.8 | ---- | 14.3     | 17.8 | ---- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 2.1  | ---- | 0.0     | 5.0  | ---- | 0.0      | 8.3  | ---- |
| Stroke.....                                | 10                 | 40.0                | 21.9 | ---- | 40.0    | 27.8 | ---- | 60.0     | 31.7 | ---- |
| Hip Fracture.....                          | 19                 | 15.8                | 6.5  | ---- | 21.1    | 12.0 | ---- | 26.3     | 16.2 | ---- |
| Sepsis.....                                | 3                  | 33.3                | 38.1 | ---- | 33.3    | 43.6 | ---- | 33.3     | 48.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 6.3  | ---- | 0.0     | 11.3 | ---- | 14.3     | 14.8 | ---- |
| Open Reduction of Hip Fracture.....        | 11                 | 27.3                | 6.4  | ---- | 36.4    | 12.3 | ---- | 36.4     | 17.0 | ---- |
| Prostatectomy.....                         | 9                  | 0.0                 | 0.5  | ---- | 22.2    | 1.1  | ---- | 22.2     | 1.8  | ---- |
| Cholecystectomy.....                       | 6                  | 0.0                 | 1.9  | ---- | 0.0     | 4.4  | ---- | 16.7     | 6.8  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SAMARITAN MEMORIAL HOSPITAL

Medicare Provider Number: 260100

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.7 years  
Proportion female..... 65.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.4 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 48.2 %

### COMORBIDITIES:

Cancer..... 4.4 %  
Chronic cardiovascular disease..... 39.1 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 17.1 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 4.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.1%  
State ..... 26.3%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.4 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 22  
Occupancy Rate ..... 81.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 63.0 %  
Case Mix Index (CMI) ..... 1.1822

### STAFFING:

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SCOTLAND COUNTY MEMORIAL HOSPITAL

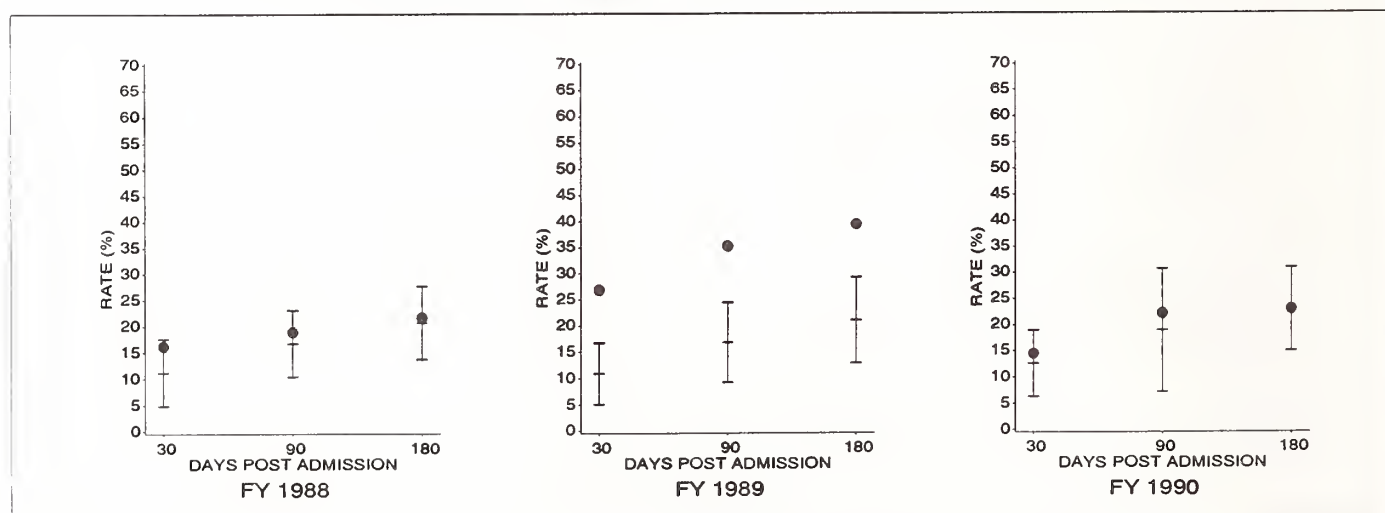
SIGLER ST, BOX 277  
MEMPHIS, MO 63555  
Medicare Provider Number: 260173

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 131             | 14.5                | 12.6 | 3.2  | 22.1    | 18.9 | 5.9  | 22.9     | 22.9 | 4.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 17.9 | ---- | 40.0    | 22.5 | ---- | 40.0     | 25.8 | ---- |
| Congestive Heart Failure.....              | 3               | 0.0                 | 12.2 | ---- | 0.0     | 18.9 | ---- | 0.0      | 24.1 | ---- |
| Pneumonia/Influenza.....                   | 14              | 21.4                | 16.8 | ---- | 21.4    | 22.9 | ---- | 21.4     | 26.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 2.5  | ---- | 0.0     | 5.3  | ---- | 0.0      | 8.3  | ---- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 5               | 20.0                | 20.6 | ---- | 60.0    | 27.7 | ---- | 60.0     | 31.9 | ---- |
| Hip Fracture.....                          | 2               | 0.0                 | 5.3  | ---- | 0.0     | 9.3  | ---- | 0.0      | 12.0 | ---- |
| Sepsis.....                                | 4               | 25.0                | 21.6 | ---- | 50.0    | 27.2 | ---- | 50.0     | 30.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 1               | 0.0                 | 6.2  | ---- | 0.0     | 17.2 | ---- | 0.0      | 31.0 | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 1.7  | ---- | 0.0     | 3.2  | ---- | 0.0      | 4.9  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SCOTLAND COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260173

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.2 years  
Proportion female..... 65.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.7 %  
Transferred from skilled nursing facility..... 0.8 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 3.1 %

### COMORBIDITIES:

Cancer..... 4.6 %  
Chronic cardiovascular disease..... 33.6 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 6.9 %  
Chronic pulmonary disease..... 9.2 %  
Cerebrovascular degeneration..... 6.1 %  
Diabetes mellitus..... 9.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.2%  
State..... 22.7%  
Outside State..... 3.1 %  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.0 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 25  
Occupancy Rate..... 28.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 65.9 %  
Case Mix Index (CMI)..... 1.1871

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 42.9 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses..... 8

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SKAGGS COMMUNITY HOSPITAL

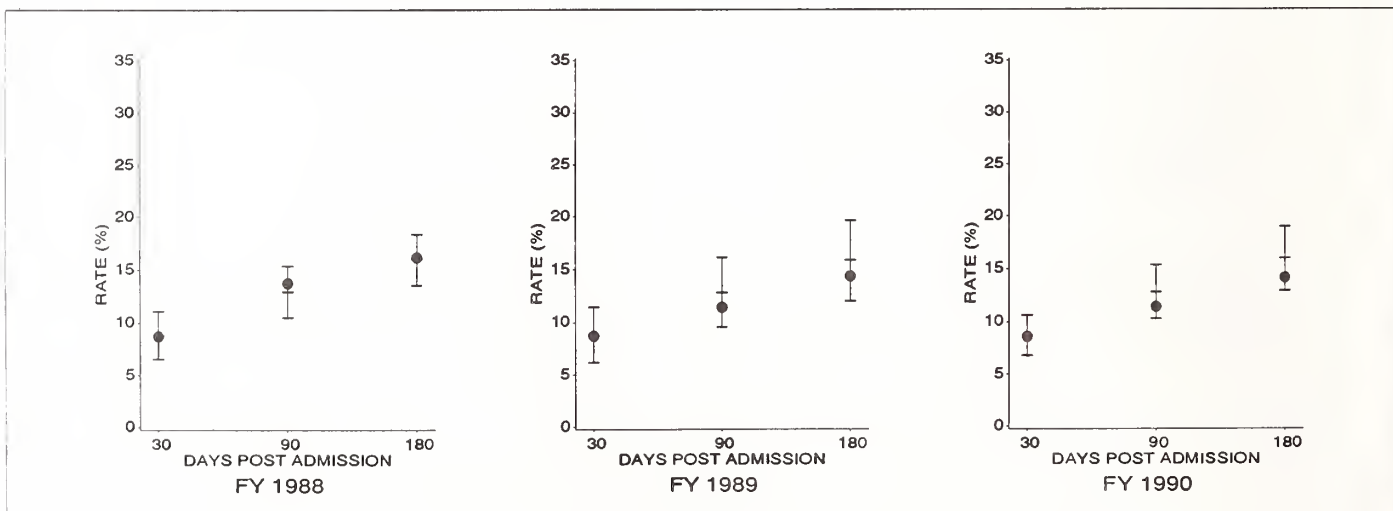
CAHILL RD, BOX 650  
BRANSON, MO 65616  
Medicare Provider Number: 260094

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1216            | 8.6                 | 8.7  | 1.0  | 11.4    | 12.8 | 1.3  | 14.1     | 15.9 | 1.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 35              | 40.0                | 31.0 | ---- | 42.9    | 33.7 | ---- | 48.6     | 36.6 | ---- |
| Congestive Heart Failure.....              | 56              | 16.1                | 14.4 | 4.8  | 17.9    | 22.4 | 6.8  | 33.9     | 28.1 | 7.4  |
| Pneumonia/Influenza.....                   | 103             | 5.8                 | 14.1 | 4.4  | 7.8     | 19.2 | 5.4  | 9.7      | 22.6 | 5.9  |
| Chronic Obstructive Pulmonary Disease..... | 46              | 10.9                | 9.1  | ---- | 13.0    | 16.0 | ---- | 13.0     | 20.4 | ---- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.5  | ---- | 0.0     | 3.4  | ---- | 0.0      | 5.6  | ---- |
| Stroke.....                                | 36              | 19.4                | 19.0 | ---- | 27.8    | 23.5 | ---- | 30.6     | 26.9 | ---- |
| Hip Fracture.....                          | 42              | 9.5                 | 6.4  | ---- | 11.9    | 11.1 | ---- | 11.9     | 14.4 | ---- |
| Sepsis.....                                | 13              | 30.8                | 18.8 | ---- | 38.5    | 26.3 | ---- | 38.5     | 30.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 2.0  | ---- | 0.0     | 4.4  | ---- | 0.0      | 7.1  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 29              | 3.4                 | 5.1  | ---- | 3.4     | 8.9  | ---- | 3.4      | 11.5 | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 11.1                | 4.8  | ---- | 22.2    | 8.9  | ---- | 22.2     | 11.9 | ---- |
| Prostatectomy.....                         | 43              | 2.3                 | 1.3  | ---- | 2.3     | 3.2  | ---- | 4.7      | 5.5  | ---- |
| Cholecystectomy.....                       | 25              | 0.0                 | 2.2  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.8  | ---- |
| Hysterectomy.....                          | 13              | 0.0                 | 1.0  | ---- | 0.0     | 2.0  | ---- | 7.7      | 2.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SKAGGS COMMUNITY HOSPITAL

Medicare Provider Number: 260094

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.5 years |
| Proportion female.....        | 53.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 31.7 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 0.1 %  |
| Admitted for emergency.....                    | 66.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.8 %  |
| Chronic cardiovascular disease..... | 28.5 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 1.3 %  |
| Chronic pulmonary disease.....      | 13.7 % |
| Cerebrovascular degeneration.....   | 2.5 %  |
| Diabetes mellitus.....              | 4.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 69.9%  |
| State .....         | 22.4%  |
| Outside State ..... | 7.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.7 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 85                  |
| Occupancy Rate .....       | 62.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 58.7 %              |
| Case Mix Index (CMI) ..... | 1.0655              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 26     |
| Percent of Physicians Board<br>Certified Specialists ..... | 46.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 78     |
| Licensed Practical Nurses .....                            | 33     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation .....      | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTH BARRY COUNTY MEMORIAL

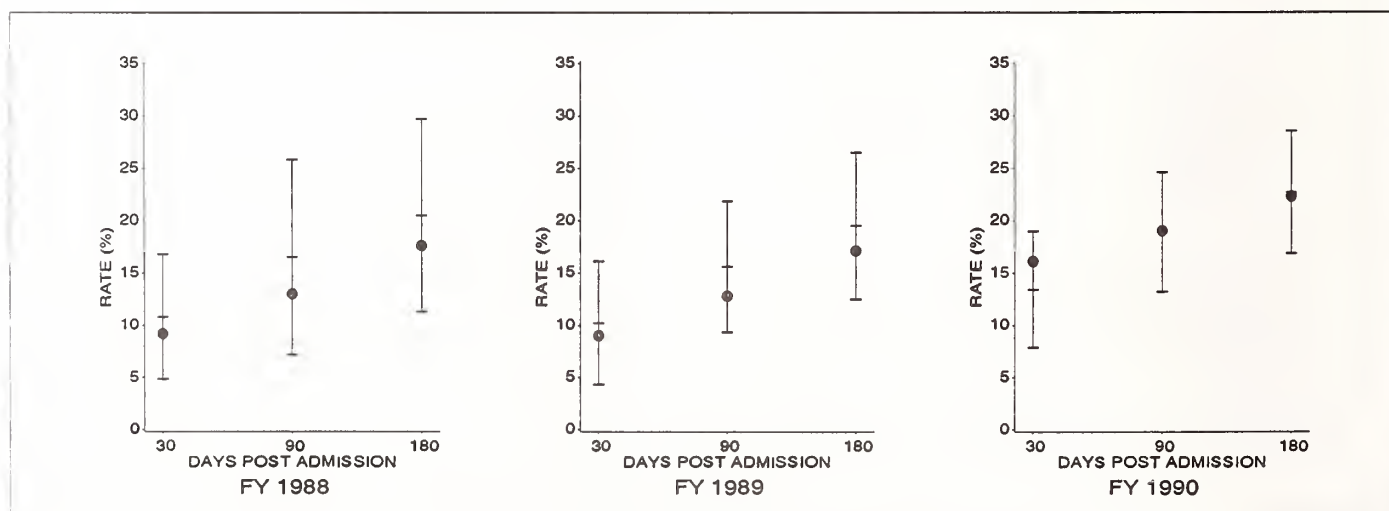
87 GRAVEL ST  
CASSVILLE, MO 65625  
Medicare Provider Number: 260123

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 211             | 16.1                | 13.4 | 2.8  | 19.0    | 18.9 | 2.9  | 22.3     | 22.7 | 2.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 3               | 66.7                | 38.2 | ---- | 66.7    | 41.2 | ---- | 66.7     | 44.2 | ---- |
| Congestive Heart Failure.....              | 14              | 7.1                 | 18.2 | ---- | 14.3    | 26.8 | ---- | 14.3     | 32.9 | ---- |
| Pneumonia/Influenza.....                   | 37              | 21.6                | 17.7 | ---- | 24.3    | 24.0 | ---- | 27.0     | 27.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 20.0                | 6.7  | ---- | 30.0    | 12.4 | ---- | 50.0     | 17.3 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 2.3  | ---- | 0.0     | 5.2  | ---- | 0.0      | 8.3  | ---- |
| Stroke.....                                | 6               | 50.0                | 19.6 | ---- | 50.0    | 24.3 | ---- | 50.0     | 27.8 | ---- |
| Hip Fracture.....                          | 1               | 0.0                 | 5.5  | ---- | 0.0     | 9.8  | ---- | 0.0      | 12.8 | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 4.2  | ---- | 0.0     | 8.0  | ---- | 0.0      | 10.9 | ---- |
| Prostatectomy.....                         | 1               | 0.0                 | 0.4  | ---- | 0.0     | 1.1  | ---- | 0.0      | 2.0  | ---- |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SOUTH BARRY COUNTY MEMORIAL

Medicare Provider Number: 260123

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.5 years  
Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.3 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 10.9 %  
Admitted for emergency..... 66.4 %

### COMORBIDITIES:

Cancer..... 2.8 %  
Chronic cardiovascular disease..... 43.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 3.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.6%  
State ..... 3.9%  
Outside State ..... 5.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 18  
Occupancy Rate ..... 44.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 78.0 %  
Case Mix Index (CMI) ..... 0.9622

### STAFFING:

Total Number of Physicians..... 15  
Percent of Physicians Board  
Certified Specialists ..... 13.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTHEAST MISSOURI HOSPITAL

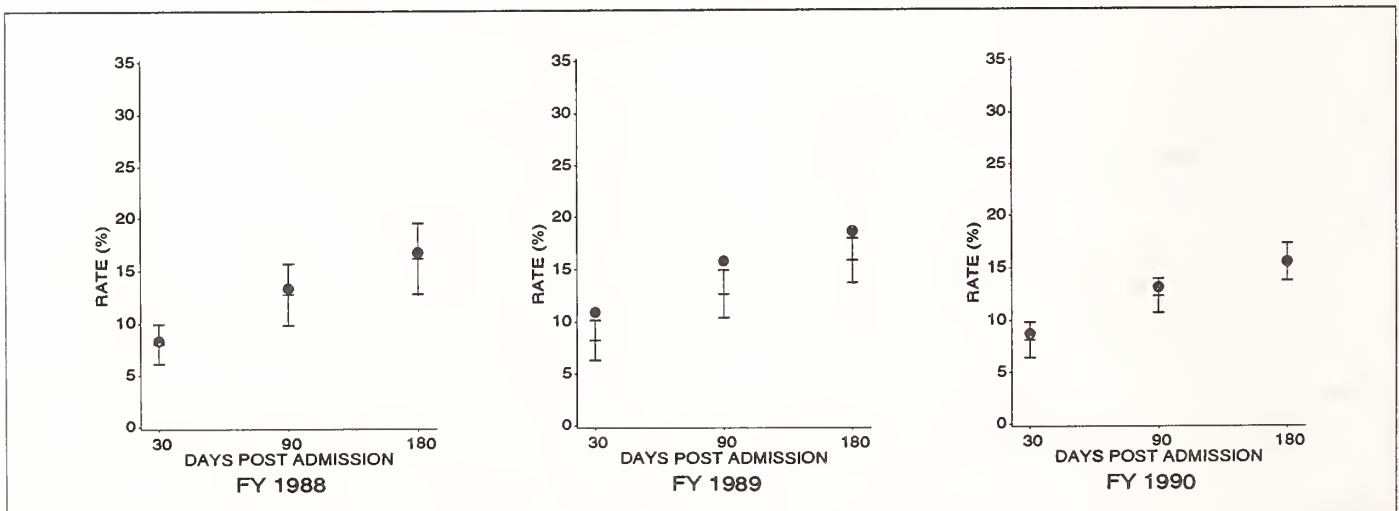
1701 LACEY ST  
CAPE GIRARDEAU, MO 63701  
Medicare Provider Number: 260110

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2150            | 8.7                 | 8.1  | 0.9  | 13.1    | 12.3 | 0.8  | 15.5     | 15.5 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 95              | 22.1                | 22.0 | 4.8  | 25.3    | 24.8 | 4.5  | 27.4     | 27.4 | 4.7  |
| Congestive Heart Failure.....              | 101             | 20.8                | 14.8 | 5.1  | 31.7    | 23.4 | 5.3  | 35.6     | 29.5 | 5.3  |
| Pneumonia/Influenza.....                   | 112             | 15.2                | 14.4 | 4.7  | 21.4    | 19.6 | 4.4  | 24.1     | 23.2 | 4.3  |
| Chronic Obstructive Pulmonary Disease..... | 37              | 2.7                 | 6.4  | ---- | 2.7     | 11.4 | ---- | 2.7      | 15.4 | ---- |
| Transient Cerebral Ischemia.....           | 24              | 0.0                 | 2.1  | ---- | 0.0     | 4.7  | ---- | 8.3      | 7.6  | ---- |
| Stroke.....                                | 89              | 20.2                | 17.8 | 5.0  | 25.8    | 23.7 | 6.0  | 29.2     | 27.4 | 5.8  |
| Hip Fracture.....                          | 51              | 7.8                 | 5.7  | 3.5  | 7.8     | 10.2 | 4.5  | 7.8      | 13.2 | 5.8  |
| Sepsis.....                                | 10              | 10.0                | 21.1 | ---- | 20.0    | 26.8 | ---- | 20.0     | 31.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 174             | 5.7                 | 3.0  | 1.7  | 6.3     | 4.1  | 1.7  | 6.9      | 5.1  | 1.8  |
| Coronary Artery Bypass Graft.....          | 82              | 4.9                 | 5.2  | 2.5  | 8.5     | 7.5  | 3.4  | 9.8      | 8.5  | 4.1  |
| Initial Pacemaker Insertion.....           | 25              | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.8  | ---- |
| Carotid Endarterectomy.....                | 21              | 0.0                 | 1.2  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.4  | ---- |
| Hip Replacement/Reconstruction.....        | 26              | 15.4                | 4.2  | ---- | 15.4    | 7.8  | ---- | 19.2     | 10.3 | ---- |
| Open Reduction of Hip Fracture.....        | 29              | 0.0                 | 5.2  | ---- | 0.0     | 9.6  | ---- | 0.0      | 12.6 | ---- |
| Prostatectomy.....                         | 82              | 1.2                 | 0.9  | 1.2  | 1.2     | 2.0  | 2.0  | 2.4      | 3.4  | 2.3  |
| Cholecystectomy.....                       | 47              | 4.3                 | 2.1  | ---- | 6.4     | 3.7  | ---- | 8.5      | 4.7  | ---- |
| Hysterectomy.....                          | 48              | 0.0                 | 0.5  | ---- | 0.0     | 1.1  | ---- | 2.1      | 1.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SOUTHEAST MISSOURI HOSPITAL

Medicare Provider Number: 260110

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.1 years  
Proportion female..... 51.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 28.3 %  
Admitted for emergency..... 42.9 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 40.7 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.3 %  
Chronic pulmonary disease..... 14.5 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 32.9%  
State..... 43.8%  
Outside State..... 23.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.4 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 261  
Occupancy Rate..... 55.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 32.5 %  
Case Mix Index (CMI)..... 1.5002

### STAFFING:

Total Number of Physicians..... 132  
Percent of Physicians Board  
Certified Specialists..... 78.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 286  
Licensed Practical Nurses..... 61

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SPELMAN MEMORIAL HOSPITAL

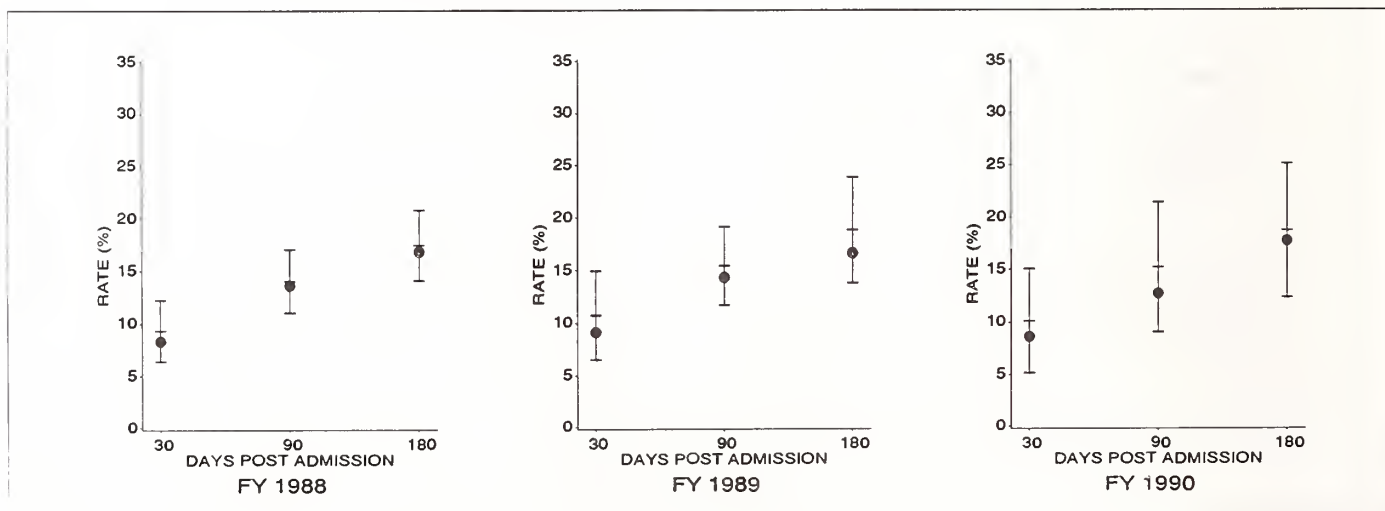
PO BOX 289  
SMITHVILLE, MO 64089  
Medicare Provider Number: 260062

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 463             | 8.6                 | 10.1 | 2.5  | 12.7    | 15.2 | 3.1  | 17.7     | 18.7 | 3.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 10              | 50.0                | 33.8 | ---- | 50.0    | 40.2 | ---- | 50.0     | 44.4 | ---- |
| Congestive Heart Failure.....              | 26              | 15.4                | 14.9 | ---- | 19.2    | 23.4 | ---- | 30.8     | 29.8 | ---- |
| Pneumonia/Influenza.....                   | 42              | 16.7                | 16.0 | ---- | 23.8    | 22.1 | ---- | 23.8     | 26.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 10.0                | 10.8 | ---- | 10.0    | 18.3 | ---- | 20.0     | 23.6 | ---- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.6  | ---- | 0.0     | 3.7  | ---- | 0.0      | 6.2  | ---- |
| Stroke.....                                | 20              | 20.0                | 20.8 | ---- | 25.0    | 28.7 | ---- | 35.0     | 33.3 | ---- |
| Hip Fracture.....                          | 14              | 0.0                 | 10.5 | ---- | 0.0     | 17.2 | ---- | 7.1      | 21.2 | ---- |
| Sepsis.....                                | 8               | 12.5                | 18.6 | ---- | 12.5    | 24.8 | ---- | 25.0     | 27.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 1.6  | ---- | 0.0     | 4.0  | ---- | 0.0      | 7.1  | ---- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 1.4  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.0  | ---- |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 3.1  | ---- | 0.0     | 5.8  | ---- | 0.0      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 11.8 | ---- | 0.0     | 19.5 | ---- | 14.3     | 24.0 | ---- |
| Prostatectomy.....                         | 11              | 0.0                 | 2.3  | ---- | 9.1     | 4.9  | ---- | 9.1      | 7.2  | ---- |
| Cholecystectomy.....                       | 11              | 0.0                 | 1.4  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.4  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SPELMAN MEMORIAL HOSPITAL

Medicare Provider Number: 260062

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 59.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.9 %  
Transferred from skilled nursing facility..... 1.1 %  
Admitted for elective procedure..... 4.8 %  
Admitted for emergency..... 54.4 %

### COMORBIDITIES:

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 34.1 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 17.3 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 8.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 50.8%  
State..... 46.3%  
Outside State..... 2.9%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.1 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 92  
Occupancy Rate..... 46.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 38.7 %  
Case Mix Index (CMI)..... 1.2438

### STAFFING:

Total Number of Physicians..... 61  
Percent of Physicians Board  
Certified Specialists..... 73.8 %  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SPELMAN ST LUKES HOSPITAL

5830 NW BARRY ROAD  
KANSAS CITY, MO 64154  
Medicare Provider Number: 260202

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 294             | 11.9                | 10.8 | 2.1   | 15.0    | 15.4 | 2.3   | 19.0     | 18.5 | 2.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 40.0                | 32.6 | ----- | 40.0    | 35.0 | ----- | 50.0     | 37.8 | ----- |
| Congestive Heart Failure.....              | 11              | 27.3                | 16.1 | ----- | 36.4    | 25.5 | ----- | 45.5     | 32.2 | ----- |
| Pneumonia/Influenza.....                   | 17              | 17.6                | 10.2 | ----- | 17.6    | 14.0 | ----- | 23.5     | 17.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 6.7  | ----- | 0.0     | 10.8 | ----- | 9.1      | 14.0 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.5  | ----- |
| Stroke.....                                | 6               | 50.0                | 23.2 | ----- | 50.0    | 32.6 | ----- | 50.0     | 37.5 | ----- |
| Hip Fracture.....                          | 13              | 7.7                 | 5.1  | ----- | 7.7     | 9.1  | ----- | 15.4     | 12.2 | ----- |
| Sepsis.....                                | 1               | 0.0                 | 10.7 | ----- | 0.0     | 15.0 | ----- | 0.0      | 18.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.0  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.3  | ----- |
| Hip Replacement/Reconstruction.....        | 11              | 9.1                 | 3.7  | ----- | 9.1     | 6.4  | ----- | 9.1      | 8.7  | ----- |
| Open Reduction of Hip Fracture.....        | 4               | 0.0                 | 4.6  | ----- | 0.0     | 8.8  | ----- | 0.0      | 12.0 | ----- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.7  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.2  | ----- |
| Cholecystectomy.....                       | 12              | 0.0                 | 4.3  | ----- | 0.0     | 7.1  | ----- | 0.0      | 8.8  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# SPELMAN ST LUKES HOSPITAL

Medicare Provider Number: 260202

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 61.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.2 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 8.5 %  
Admitted for emergency..... 20.3 %

### COMORBIDITIES:

Cancer..... 4.4 %  
Chronic cardiovascular disease..... 34.2 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 15.6 %  
Cerebrovascular degeneration..... 6.1 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 40.6%  
State ..... 48.1%  
Outside State ..... 11.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 55  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 19.7 %  
Case Mix Index (CMI) ..... 1.2818

### STAFFING:

Total Number of Physicians..... 121  
Percent of Physicians Board  
Certified Specialists ..... 76.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 101  
Licensed Practical Nurses ..... 9

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SPRINGFIELD COMMUNITY HOSPITAL

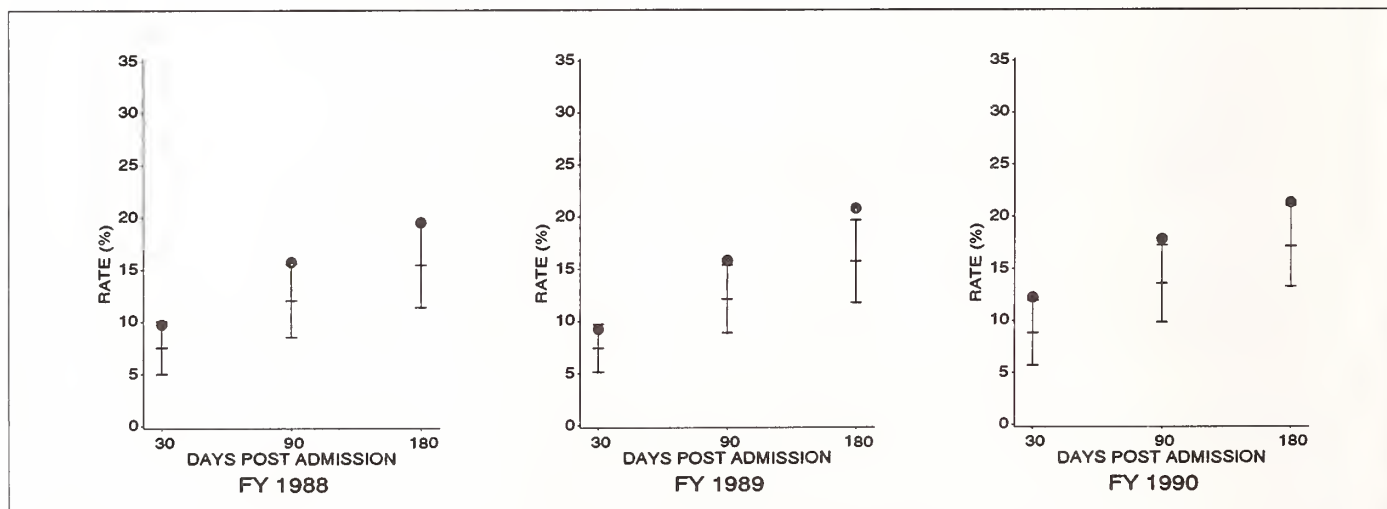
3535 S NATIONAL  
SPRINGFIELD, MO 65807  
Medicare Provider Number: 260197

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 658             | 12.2                | 8.8  | 1.6   | 17.8    | 13.5 | 1.9   | 21.3     | 17.1 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15              | 46.7                | 27.4 | ----- | 53.3    | 31.9 | ----- | 53.3     | 35.3 | ----- |
| Congestive Heart Failure.....              | 30              | 13.3                | 17.8 | ----- | 23.3    | 28.1 | ----- | 30.0     | 34.8 | ----- |
| Pneumonia/Influenza.....                   | 61              | 16.4                | 13.5 | 6.2   | 21.3    | 18.7 | 6.1   | 24.6     | 22.5 | 6.4   |
| Chronic Obstructive Pulmonary Disease..... | 20              | 15.0                | 5.8  | ----- | 20.0    | 10.8 | ----- | 25.0     | 15.2 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 9.1                 | 1.7  | ----- | 9.1     | 4.1  | ----- | 18.2     | 7.1  | ----- |
| Stroke.....                                | 10              | 0.0                 | 20.6 | ----- | 10.0    | 25.9 | ----- | 10.0     | 29.5 | ----- |
| Hip Fracture.....                          | 24              | 8.3                 | 5.7  | ----- | 20.8    | 10.0 | ----- | 29.2     | 13.6 | ----- |
| Sepsis.....                                | 9               | 33.3                | 28.5 | ----- | 44.4    | 38.1 | ----- | 44.4     | 43.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 2.5  | ----- | 0.0     | 6.6  | ----- | 0.0      | 11.1 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9               | 11.1                | 4.5  | ----- | 11.1    | 7.6  | ----- | 22.2     | 10.0 | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 12.5                | 5.1  | ----- | 37.5    | 9.6  | ----- | 37.5     | 13.4 | ----- |
| Prostatectomy.....                         | 12              | 8.3                 | 1.3  | ----- | 8.3     | 3.2  | ----- | 8.3      | 5.5  | ----- |
| Cholecystectomy.....                       | 16              | 0.0                 | 1.2  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.0  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 16.7     | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SPRINGFIELD COMMUNITY HOSPITAL

Medicare Provider Number: 260197

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.1 years  
Proportion female..... 63.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 60.0 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 49.8 %  
Admitted for emergency..... 40.7 %

### COMORBIDITIES:

Cancer..... 4.3 %  
Chronic cardiovascular disease..... 32.5 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 0.6 %  
Chronic pulmonary disease..... 21.9 %  
Cerebrovascular degeneration..... 13.8 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 41.7%  
State ..... 55.7%  
Outside State ..... 2.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 147  
Occupancy Rate ..... 54.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 56.2 %  
Case Mix Index (CMI) ..... 1.2113

### STAFFING:

Total Number of Physicians..... 235  
Percent of Physicians Board  
Certified Specialists ..... 87.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 57  
Licensed Practical Nurses ..... 18

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SPRINGFIELD GENERAL OSTEOPATHIC HOSPITAL

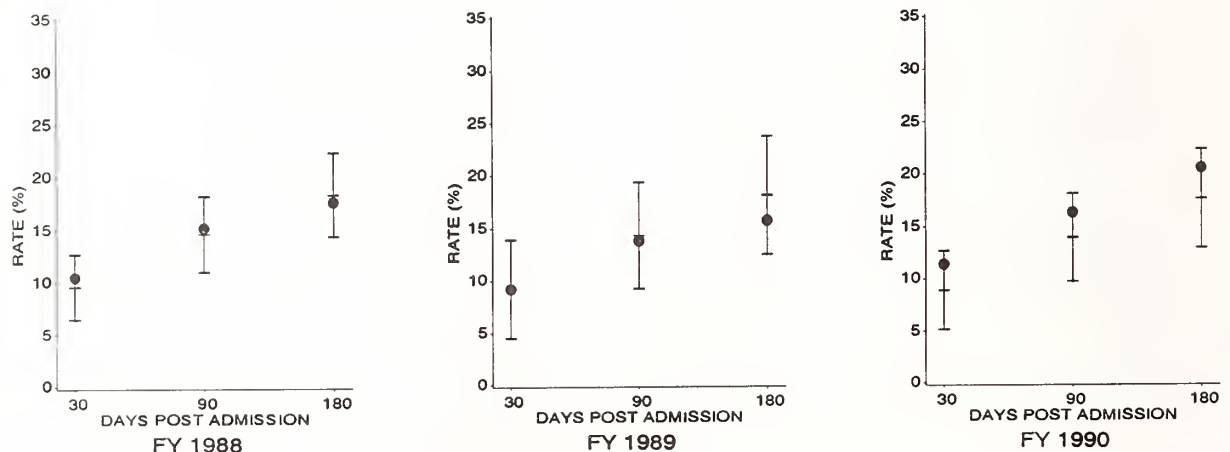
2828 N NATIONAL, BOX 783  
SPRINGFIELD, MO 65801  
Medicare Provider Number: 260089

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 448             | 11.4                | 8.9  | 1.9  | 16.3    | 13.9 | 2.1  | 20.5     | 17.6 | 2.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 21.9 | ---- | 20.0    | 25.2 | ---- | 20.0     | 28.2 | ---- |
| Congestive Heart Failure.....              | 22              | 31.8                | 15.5 | ---- | 31.8    | 24.1 | ---- | 40.9     | 30.2 | ---- |
| Pneumonia/Influenza.....                   | 44              | 13.6                | 14.8 | ---- | 22.7    | 19.9 | ---- | 31.8     | 23.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 16              | 12.5                | 7.1  | ---- | 12.5    | 13.1 | ---- | 12.5     | 17.6 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 3.4  | ---- | 0.0     | 7.7  | ---- | 0.0      | 12.3 | ---- |
| Stroke.....                                | 10              | 30.0                | 19.3 | ---- | 50.0    | 25.5 | ---- | 60.0     | 29.4 | ---- |
| Hip Fracture.....                          | 12              | 8.3                 | 7.0  | ---- | 16.7    | 13.0 | ---- | 16.7     | 17.0 | ---- |
| Sepsis.....                                | 8               | 50.0                | 19.7 | ---- | 50.0    | 26.7 | ---- | 50.0     | 31.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.9  | ---- | 0.0     | 5.1  | ---- | 0.0      | 9.0  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7               | 14.3                | 5.5  | ---- | 14.3    | 10.3 | ---- | 14.3     | 13.5 | ---- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 9.4  | ---- | 33.3    | 18.6 | ---- | 33.3     | 25.3 | ---- |
| Prostatectomy.....                         | 5               | 0.0                 | 2.6  | ---- | 20.0    | 6.5  | ---- | 20.0     | 11.7 | ---- |
| Cholecystectomy.....                       | 5               | 0.0                 | 5.1  | ---- | 0.0     | 9.2  | ---- | 0.0      | 11.7 | ---- |
| Hysterectomy.....                          | 3               | 33.3                | 2.5  | ---- | 33.3    | 5.3  | ---- | 33.3     | 8.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SPRINGFIELD GENERAL OSTEOPATHIC HOSPITAL

Medicare Provider Number: 260089

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.2 years  
Proportion female..... 57.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 58.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 7.8 %  
Admitted for emergency..... 49.3 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 27.2 %  
Chronic liver disease..... 2.0 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 23.9 %  
Cerebrovascular degeneration..... 10.5 %  
Diabetes mellitus..... 10.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 46.4%  
State ..... 51.4%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 95  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.3 %  
Case Mix Index (CMI) ..... 1.1225

### STAFFING:

Total Number of Physicians..... 43  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 36  
Licensed Practical Nurses..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ANTHONYS MEDICAL CENTER

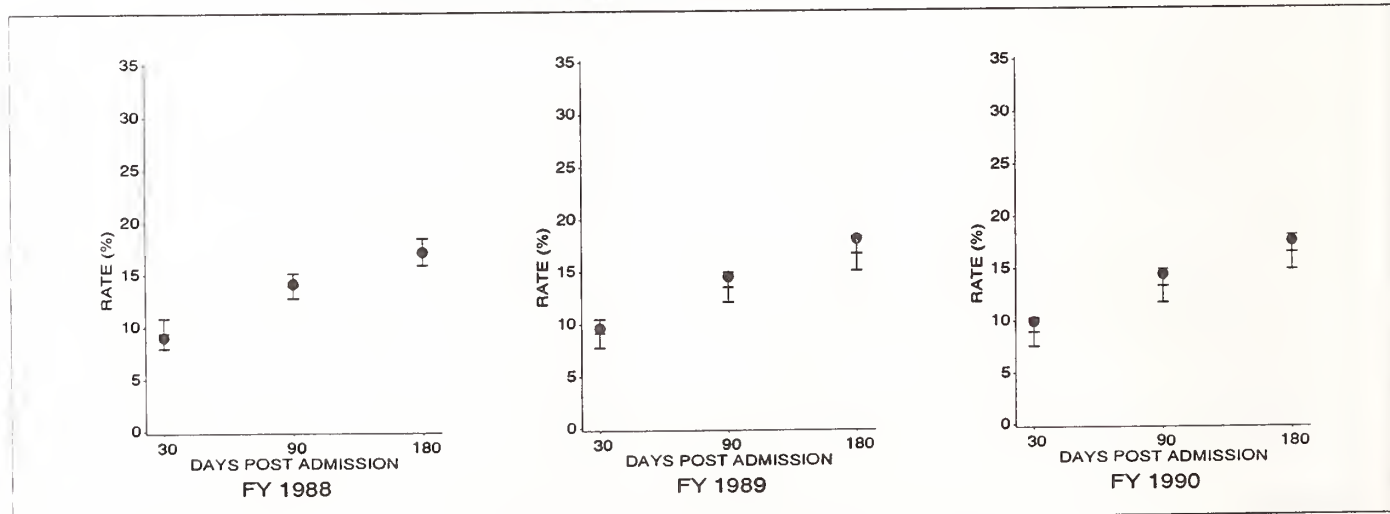
10010 KENNERLY ROAD  
ST LOUIS, MO 63128  
Medicare Provider Number: 260077

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 4193            | 9.9                 | 8.9  | 0.7  | 14.4    | 13.3 | 0.8  | 17.6     | 16.5 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 148             | 29.7                | 23.3 | 6.8  | 34.5    | 26.4 | 7.6  | 37.8     | 29.1 | 8.2  |
| Congestive Heart Failure.....              | 222             | 18.0                | 14.2 | 3.2  | 28.8    | 22.4 | 4.1  | 32.9     | 28.4 | 4.0  |
| Pneumonia/Influenza.....                   | 257             | 18.3                | 16.4 | 3.0  | 23.0    | 22.4 | 2.6  | 27.2     | 26.2 | 2.8  |
| Chronic Obstructive Pulmonary Disease..... | 64              | 9.4                 | 6.8  | 6.1  | 14.1    | 12.1 | 5.7  | 15.6     | 16.0 | 6.6  |
| Transient Cerebral Ischemia.....           | 94              | 3.2                 | 2.1  | 2.6  | 7.4     | 4.7  | 3.6  | 8.5      | 7.6  | 4.8  |
| Stroke.....                                | 164             | 22.6                | 22.0 | 3.8  | 28.7    | 28.4 | 3.6  | 32.9     | 32.1 | 3.7  |
| Hip Fracture.....                          | 127             | 3.1                 | 6.3  | 2.8  | 6.3     | 11.2 | 4.5  | 11.0     | 14.8 | 4.9  |
| Sepsis.....                                | 33              | 3.0                 | 21.9 | ---- | 9.1     | 29.3 | ---- | 18.2     | 33.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 78              | 6.4                 | 3.8  | 4.3  | 9.0     | 4.9  | 4.7  | 9.0      | 6.0  | 4.3  |
| Coronary Artery Bypass Graft.....          | 89              | 7.9                 | 6.5  | 4.4  | 12.4    | 9.1  | 4.9  | 12.4     | 10.1 | 4.7  |
| Initial Pacemaker Insertion.....           | 37              | 5.4                 | 2.3  | ---- | 5.4     | 4.6  | ---- | 8.1      | 6.8  | ---- |
| Carotid Endarterectomy.....                | 26              | 7.7                 | 1.6  | ---- | 7.7     | 3.1  | ---- | 11.5     | 4.6  | ---- |
| Hip Replacement/Reconstruction.....        | 92              | 2.2                 | 3.6  | 2.1  | 3.3     | 6.7  | 3.4  | 3.3      | 9.1  | 4.5  |
| Open Reduction of Hip Fracture.....        | 65              | 1.5                 | 5.6  | 3.9  | 6.2     | 10.4 | 5.1  | 13.8     | 14.1 | 5.8  |
| Prostatectomy.....                         | 202             | 0.5                 | 1.0  | 0.8  | 1.5     | 2.4  | 1.3  | 2.5      | 3.9  | 1.8  |
| Cholecystectomy.....                       | 72              | 6.9                 | 3.3  | 4.0  | 11.1    | 5.8  | 5.6  | 13.9     | 7.5  | 6.4  |
| Hysterectomy.....                          | 25              | 4.0                 | 0.8  | ---- | 4.0     | 2.0  | ---- | 4.0      | 3.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST ANTHONYS MEDICAL CENTER

Medicare Provider Number: 260077

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 56.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 26.6 %  
Admitted for emergency..... 55.4 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 37.4 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 16.3%  
State ..... 78.4%  
Outside State ..... 5.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 788  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 34.8 %  
Case Mix Index (CMI) ..... 1.3942

### STAFFING:

Total Number of Physicians..... 243  
Percent of Physicians Board  
Certified Specialists ..... 81.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 545  
Licensed Practical Nurses ..... 135

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS HOSPITAL

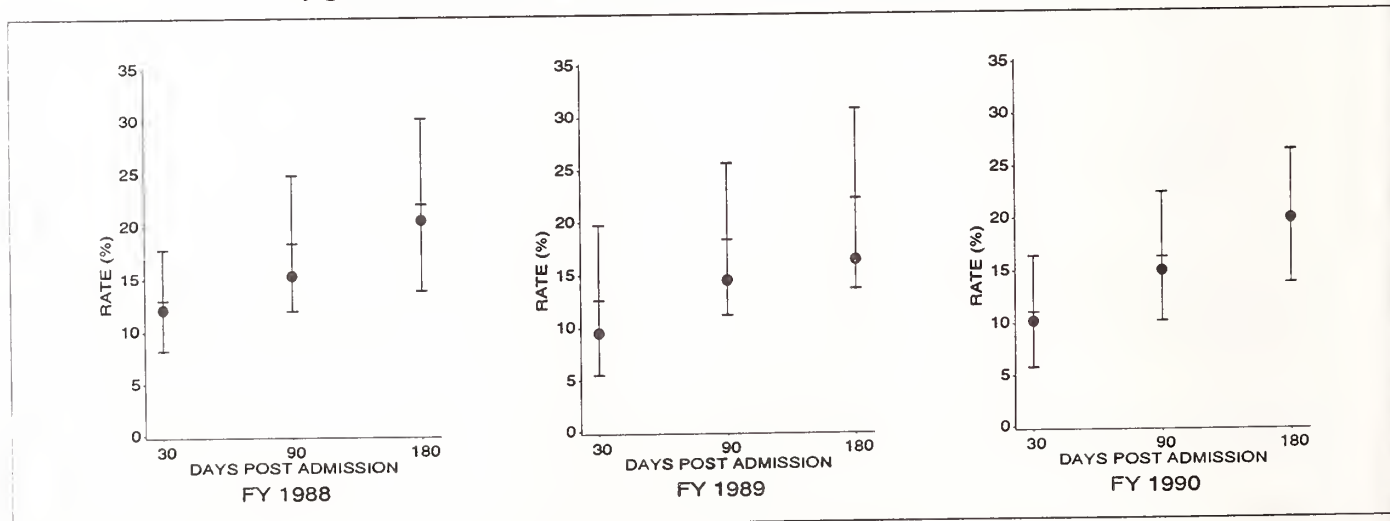
PO BOX 82  
MOUNTAIN VIEW, MO 65548  
Medicare Provider Number: 260018

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 226             | 10.2                | 11.1 | 2.7   | 15.0    | 16.3 | 3.1   | 19.9     | 20.1 | 3.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 50.0                | 28.9 | ----- | 50.0    | 31.5 | ----- | 50.0     | 34.4 | ----- |
| Congestive Heart Failure.....              | 26              | 15.4                | 15.0 | ----- | 30.8    | 23.3 | ----- | 38.5     | 29.9 | ----- |
| Pneumonia/Influenza.....                   | 39              | 10.3                | 13.5 | ----- | 12.8    | 18.4 | ----- | 17.9     | 21.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 9.4  | ----- | 14.3    | 16.8 | ----- | 14.3     | 21.8 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.2  | ----- |
| Stroke.....                                | 12              | 16.7                | 22.0 | ----- | 41.7    | 29.4 | ----- | 41.7     | 34.3 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 2.7  | ----- | 0.0     | 5.0  | ----- | 0.0      | 8.3  | ----- |
| Sepsis.....                                | 1               | 0.0                 | 24.7 | ----- | 0.0     | 42.8 | ----- | 100.0    | 51.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 1.3  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.0  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST FRANCIS HOSPITAL**  
Medicare Provider Number: 260018

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.6 years  
Proportion female..... 61.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 38.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 61.1 %

**COMORBIDITIES:**

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 28.8 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.5 %  
Chronic pulmonary disease..... 20.4 %  
Cerebrovascular degeneration..... 2.2 %  
Diabetes mellitus..... 10.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 56.5%  
State ..... 41.8%  
Outside State ..... 1.7%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.2 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 30  
Occupancy Rate ..... 36.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.1 %  
Case Mix Index (CMI) ..... 0.9704

**STAFFING:**

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses..... 7

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS HOSPITAL

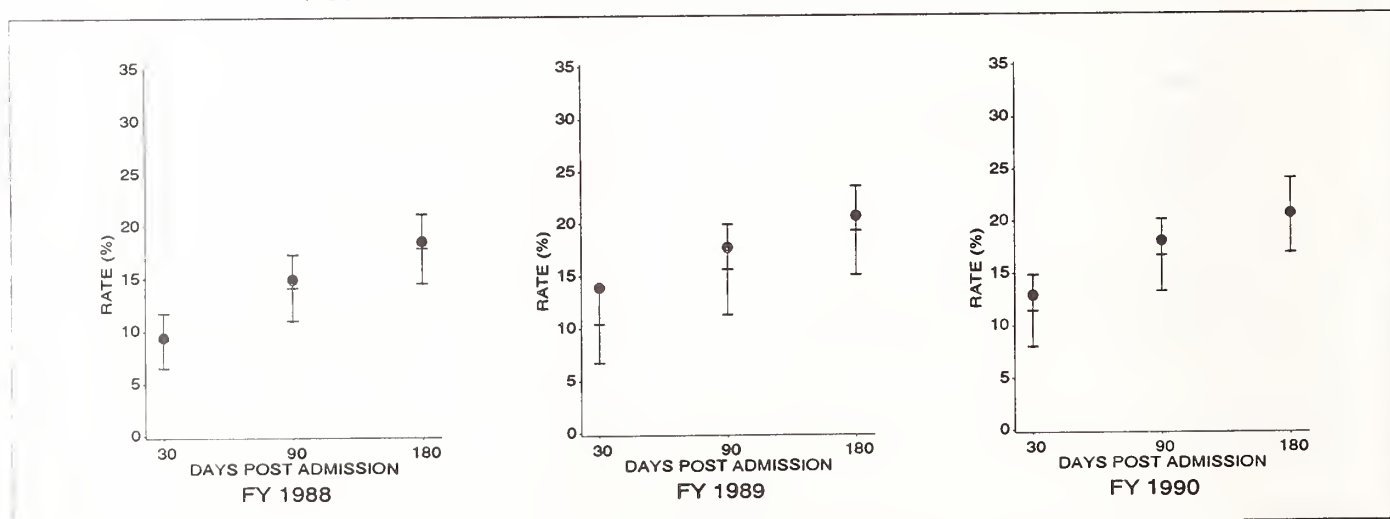
2016 SOUTH MAIN ST  
MARYVILLE, MO 64468  
Medicare Provider Number: 260050

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 536             | 12.9                | 11.4 | 1.7   | 18.1    | 16.7 | 1.7   | 20.7     | 20.5 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23              | 34.8                | 29.9 | ----- | 34.8    | 32.8 | ----- | 34.8     | 35.7 | ----- |
| Congestive Heart Failure.....              | 51              | 21.6                | 15.5 | 6.2   | 27.5    | 24.2 | 7.6   | 29.4     | 30.3 | 7.0   |
| Pneumonia/Influenza.....                   | 100             | 18.0                | 14.3 | 5.7   | 22.0    | 20.0 | 5.5   | 28.0     | 23.8 | 5.9   |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 9.7  | ----- | 20.0    | 15.3 | ----- | 20.0     | 19.4 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 2.7  | ----- | 0.0     | 5.2  | ----- | 0.0      | 7.6  | ----- |
| Stroke.....                                | 19              | 26.3                | 23.5 | ----- | 26.3    | 30.3 | ----- | 26.3     | 34.2 | ----- |
| Hip Fracture.....                          | 16              | 6.3                 | 7.0  | ----- | 12.5    | 12.1 | ----- | 12.5     | 15.9 | ----- |
| Sepsis.....                                | 6               | 16.7                | 27.0 | ----- | 66.7    | 38.5 | ----- | 66.7     | 44.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 10              | 10.0                | 6.4  | ----- | 20.0    | 10.8 | ----- | 20.0     | 14.2 | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 1.9  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.4  | ----- |
| Prostatectomy.....                         | 13              | 0.0                 | 0.7  | ----- | 7.7     | 1.9  | ----- | 7.7      | 3.4  | ----- |
| Cholecystectomy.....                       | 9               | 0.0                 | 3.4  | ----- | 22.2    | 5.4  | ----- | 22.2     | 6.6  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**ST FRANCIS HOSPITAL**  
Medicare Provider Number: 260050

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.6 years  
Proportion female..... 54.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 36.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 5.8 %  
Admitted for emergency..... 9.5 %

**COMORBIDITIES:**

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 31.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 5.4 %  
Chronic pulmonary disease..... 10.8 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 7.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 84.9%  
State ..... 9.6%  
Outside State ..... 5.5%  

---

Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 5.7 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 75  
Occupancy Rate ..... 44.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 33.9 %  
Case Mix Index (CMI) ..... 1.0729

**STAFFING:**

Total Number of Physicians..... 14  
Percent of Physicians Board  
Certified Specialists ..... 57.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 43  
Licensed Practical Nurses ..... 27

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS MEDICAL CENTER

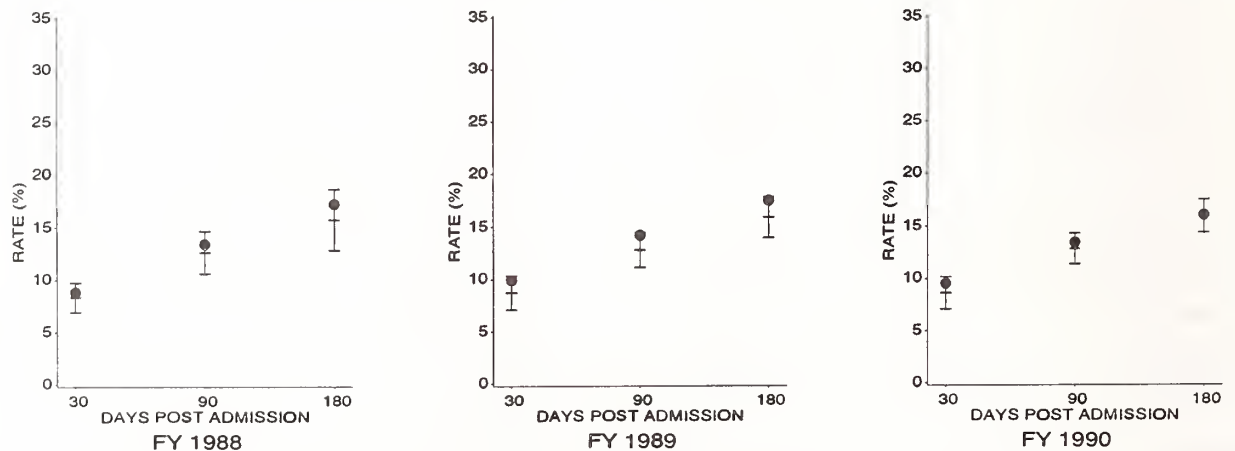
211 ST FRANCIS DR  
CAPE GIRARDEAU, MO 63701  
Medicare Provider Number: 260183

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2567            | 9.5                 | 8.6  | 0.8  | 13.4    | 12.8 | 0.7  | 16.0     | 15.9 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 62              | 30.6                | 25.6 | 6.5  | 32.3    | 28.8 | 6.2  | 35.5     | 31.4 | 6.5  |
| Congestive Heart Failure.....              | 128             | 28.9                | 15.0 | 5.1  | 35.2    | 23.7 | 5.0  | 39.1     | 29.8 | 4.8  |
| Pneumonia/Influenza.....                   | 129             | 10.1                | 15.3 | 5.4  | 14.7    | 21.5 | 6.5  | 19.4     | 25.3 | 6.7  |
| Chronic Obstructive Pulmonary Disease..... | 50              | 8.0                 | 9.3  | ---- | 12.0    | 15.4 | ---- | 20.0     | 19.7 | ---- |
| Transient Cerebral Ischemia.....           | 47              | 0.0                 | 1.8  | ---- | 2.1     | 3.9  | ---- | 4.3      | 6.4  | ---- |
| Stroke.....                                | 117             | 18.8                | 17.2 | 5.1  | 23.9    | 22.8 | 4.2  | 27.4     | 26.3 | 4.2  |
| Hip Fracture.....                          | 77              | 5.2                 | 5.6  | 2.8  | 6.5     | 9.9  | 4.1  | 10.4     | 13.2 | 4.3  |
| Sepsis.....                                | 12              | 41.7                | 30.3 | ---- | 41.7    | 38.2 | ---- | 41.7     | 42.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 14              | 7.1                 | 5.2  | ---- | 7.1     | 6.1  | ---- | 7.1      | 7.0  | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 20              | 10.0                | 3.0  | ---- | 10.0    | 6.1  | ---- | 15.0     | 9.2  | ---- |
| Carotid Endarterectomy.....                | 32              | 0.0                 | 1.5  | ---- | 0.0     | 2.7  | ---- | 0.0      | 3.9  | ---- |
| Hip Replacement/Reconstruction.....        | 94              | 3.2                 | 2.3  | 1.7  | 4.3     | 4.2  | 2.1  | 5.3      | 5.7  | 2.8  |
| Open Reduction of Hip Fracture.....        | 37              | 0.0                 | 4.9  | ---- | 2.7     | 9.1  | ---- | 5.4      | 12.5 | ---- |
| Prostatectomy.....                         | 90              | 1.1                 | 0.9  | 1.3  | 5.6     | 2.3  | 2.4  | 7.8      | 4.0  | 3.1  |
| Cholecystectomy.....                       | 59              | 6.8                 | 2.7  | 4.6  | 8.5     | 5.0  | 4.9  | 10.2     | 6.6  | 4.6  |
| Hysterectomy.....                          | 4               | 0.0                 | 0.8  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST FRANCIS MEDICAL CENTER

Medicare Provider Number: 260183

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.3 years  
Proportion female..... 54.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 26.2 %  
Admitted for emergency..... 45.9 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 33.3 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 11.1 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 4.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 28.7%  
State..... 50.1%  
Outside State..... 21.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.4 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 264  
Occupancy Rate..... 61.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 50.5 %  
Case Mix Index (CMI)..... 1.3295

### STAFFING:

Total Number of Physicians..... 135  
Percent of Physicians Board  
Certified Specialists..... 67.4 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 205  
Licensed Practical Nurses..... 42

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS MERCY HOSPITAL

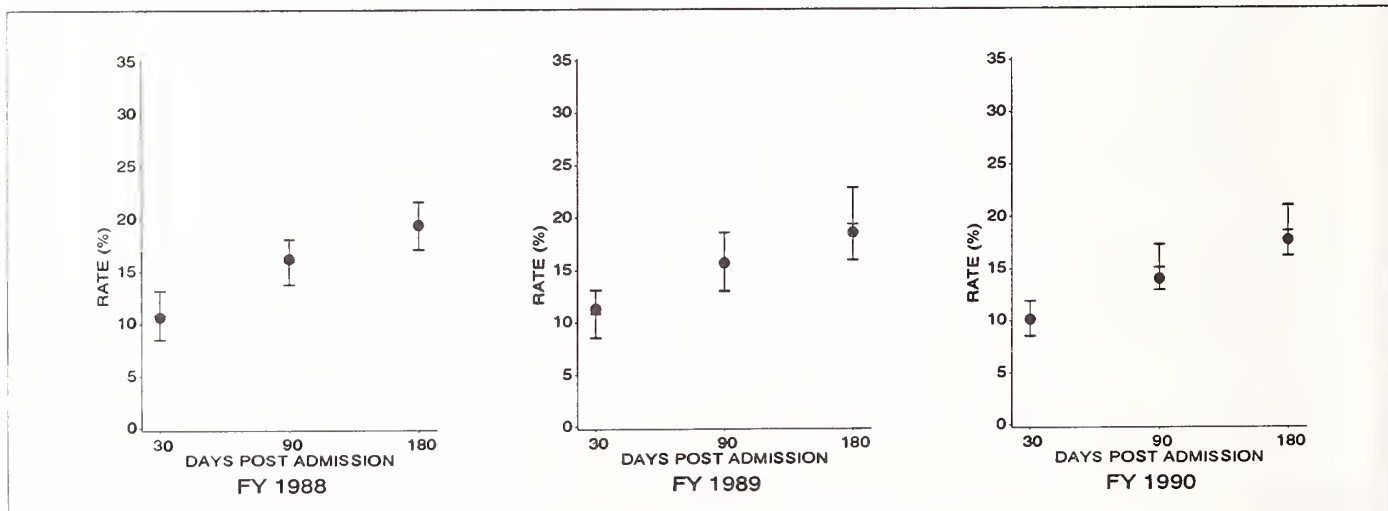
200 MADISON AVE  
WASHINGTON, MO 63090  
Medicare Provider Number: 260052

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1382            | 10.1                | 10.2 | 0.8  | 14.0    | 15.1 | 1.1  | 17.7     | 18.6 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 51              | 27.5                | 23.0 | 8.0  | 35.3    | 25.7 | 10.5 | 37.3     | 28.1 | 11.6 |
| Congestive Heart Failure.....              | 116             | 13.8                | 13.9 | 3.2  | 21.6    | 21.7 | 4.1  | 25.9     | 27.8 | 4.4  |
| Pneumonia/Influenza.....                   | 108             | 17.6                | 15.2 | 3.5  | 24.1    | 21.4 | 4.5  | 29.6     | 25.3 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 23              | 8.7                 | 10.3 | ---- | 17.4    | 16.7 | ---- | 21.7     | 21.4 | ---- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.3  | ---- | 0.0     | 3.0  | ---- | 0.0      | 4.9  | ---- |
| Stroke.....                                | 58              | 17.2                | 23.2 | 6.3  | 19.0    | 29.2 | 7.3  | 22.4     | 32.8 | 7.5  |
| Hip Fracture.....                          | 52              | 5.8                 | 6.1  | 4.3  | 9.6     | 10.9 | 5.9  | 11.5     | 14.4 | 6.4  |
| Sepsis.....                                | 25              | 24.0                | 25.9 | ---- | 40.0    | 33.2 | ---- | 40.0     | 37.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 10              | 0.0                 | 3.4  | ---- | 0.0     | 7.0  | ---- | 0.0      | 10.6 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 17              | 5.9                 | 3.5  | ---- | 17.6    | 6.7  | ---- | 17.6     | 9.1  | ---- |
| Open Reduction of Hip Fracture.....        | 28              | 7.1                 | 5.7  | ---- | 10.7    | 10.4 | ---- | 14.3     | 13.9 | ---- |
| Prostatectomy.....                         | 38              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.7  | ---- |
| Cholecystectomy.....                       | 27              | 0.0                 | 2.2  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.9  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOHNS MERCY HOSPITAL

Medicare Provider Number: 260052

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 53.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.4 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 9.3 %  
Admitted for emergency..... 61.2 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 14.5 %  
Cerebrovascular degeneration..... 6.1 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.2%  
State ..... 23.4%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 165  
Ownership/Control..... Church  
Case Mix Index (CMI) ..... 1.1458

### STAFFING:

Medical Residents/Interns ..... 6  
Registered Nurses..... 164  
Licensed Practical Nurses ..... 45

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS MERCY MEDICAL CENTER

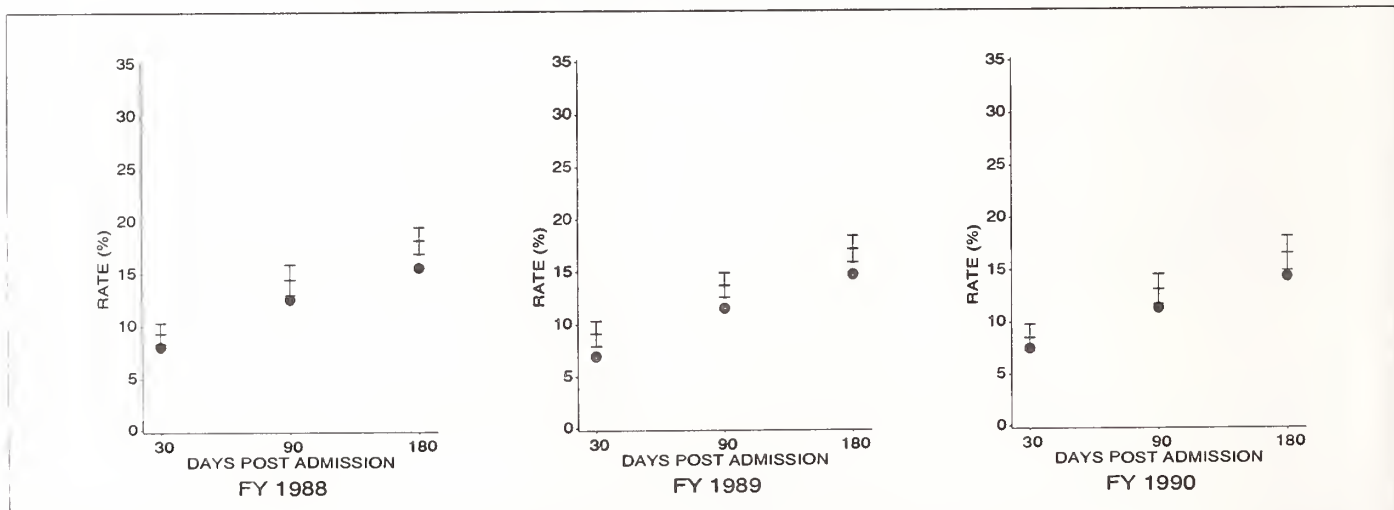
615 NEW BALLAS RD S  
CREVE COEUR, MO 63141  
Medicare Provider Number: 260020

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 4067            | 7.5                 | 8.5  | 0.6  | 11.3    | 13.1 | 0.7  | 14.3     | 16.5 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 123             | 19.5                | 27.2 | 5.8  | 25.2    | 29.7 | 5.5  | 26.8     | 32.1 | 5.6  |
| Congestive Heart Failure.....              | 174             | 11.5                | 14.5 | 3.9  | 17.8    | 22.8 | 5.6  | 24.1     | 28.9 | 5.6  |
| Pneumonia/Influenza.....                   | 172             | 14.5                | 14.5 | 5.5  | 16.9    | 20.0 | 5.2  | 21.5     | 23.6 | 5.5  |
| Chronic Obstructive Pulmonary Disease..... | 44              | 6.8                 | 7.8  | ---- | 9.1     | 13.7 | ---- | 13.6     | 17.8 | ---- |
| Transient Cerebral Ischemia.....           | 52              | 5.8                 | 1.8  | 3.1  | 5.8     | 4.0  | 4.0  | 5.8      | 6.5  | 5.0  |
| Stroke.....                                | 133             | 14.3                | 20.8 | 4.0  | 16.5    | 26.6 | 4.9  | 18.8     | 30.2 | 5.3  |
| Hip Fracture.....                          | 100             | 7.0                 | 5.5  | 2.7  | 9.0     | 9.9  | 3.6  | 10.0     | 12.9 | 4.8  |
| Sepsis.....                                | 31              | 19.4                | 23.6 | ---- | 22.6    | 32.3 | ---- | 38.7     | 37.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 50              | 0.0                 | 3.8  | ---- | 0.0     | 4.6  | ---- | 2.0      | 5.3  | ---- |
| Coronary Artery Bypass Graft.....          | 97              | 5.2                 | 6.9  | 4.1  | 7.2     | 9.4  | 4.9  | 7.2      | 10.6 | 5.4  |
| Initial Pacemaker Insertion.....           | 24              | 4.2                 | 2.6  | ---- | 4.2     | 5.0  | ---- | 4.2      | 7.7  | ---- |
| Carotid Endarterectomy.....                | 34              | 0.0                 | 1.5  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.0  | ---- |
| Hip Replacement/Reconstruction.....        | 103             | 2.9                 | 2.4  | 1.6  | 3.9     | 4.5  | 2.4  | 4.9      | 6.0  | 3.4  |
| Open Reduction of Hip Fracture.....        | 41              | 9.8                 | 5.1  | ---- | 14.6    | 9.4  | ---- | 17.1     | 12.6 | ---- |
| Prostatectomy.....                         | 127             | 0.8                 | 1.0  | 0.9  | 1.6     | 2.4  | 1.5  | 2.4      | 4.1  | 2.1  |
| Cholecystectomy.....                       | 89              | 4.5                 | 3.8  | 3.2  | 4.5     | 6.6  | 3.3  | 6.7      | 8.4  | 3.4  |
| Hysterectomy.....                          | 81              | 0.0                 | 0.5  | 0.9  | 2.5     | 1.2  | 2.5  | 2.5      | 2.1  | 3.0  |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOHNS MERCY MEDICAL CENTER

Medicare Provider Number: 260020

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.0 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 27.5 %  
Admitted for emergency..... 42.1 %

### COMORBIDITIES:

Cancer..... 9.8 %  
Chronic cardiovascular disease..... 34.8 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 3.5 %  
Chronic pulmonary disease..... 10.1 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.3%  
State ..... 30.0%  
Outside State ..... 8.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 901  
Occupancy Rate ..... 69.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 25.6 %  
Case Mix Index (CMI) ..... 1.4874

### STAFFING:

Total Number of Physicians..... 704  
Percent of Physicians Board  
Certified Specialists..... 84.2 %  
Medical Residents/Interns ..... 75  
Registered Nurses..... 915  
Licensed Practical Nurses..... 105

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS REGIONAL HEALTH CENTER

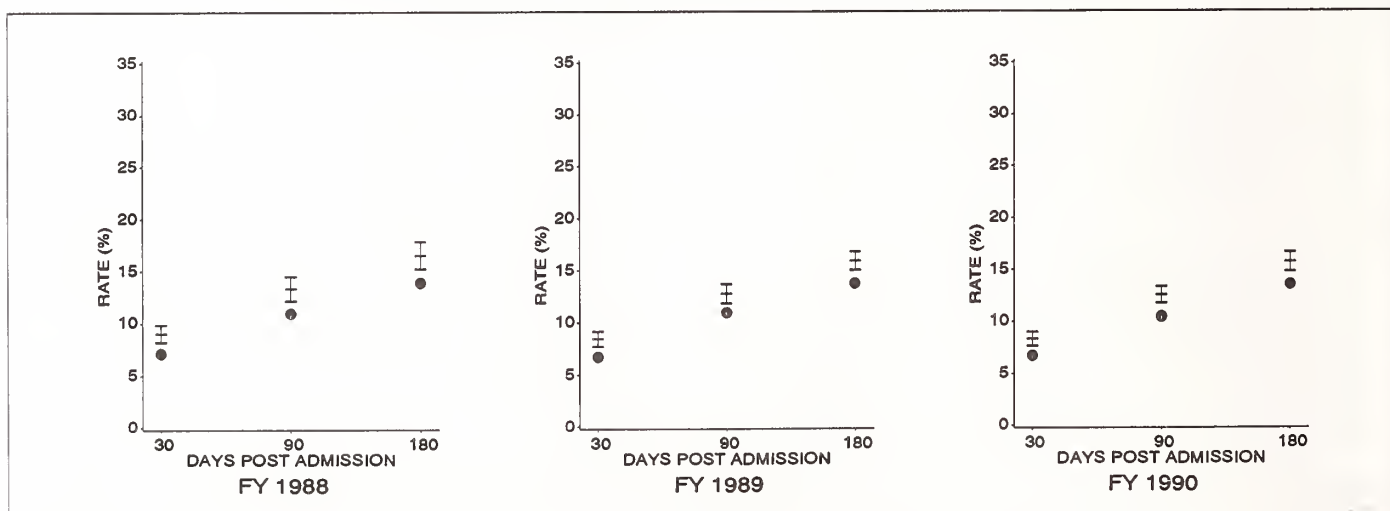
1235 E CHEROKEE  
SPRINGFIELD, MO 65802  
Medicare Provider Number: 260065

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|-----------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                 | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                 | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 8138            | 6.7                 | 8.3  | 0.3 | 10.4    | 12.5 | 0.4 | 13.5     | 15.7 | 0.5 |
| CONDITIONS:                                |                 |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 375             | 17.3                | 25.8 | 3.0 | 19.5    | 28.4 | 3.1 | 21.1     | 31.0 | 3.3 |
| Congestive Heart Failure.....              | 346             | 15.6                | 13.8 | 3.5 | 22.8    | 21.7 | 3.5 | 27.7     | 27.6 | 3.7 |
| Pneumonia/Influenza.....                   | 236             | 8.5                 | 13.6 | 2.6 | 11.0    | 19.0 | 3.3 | 12.7     | 22.8 | 3.7 |
| Chronic Obstructive Pulmonary Disease..... | 81              | 3.7                 | 5.5  | 3.0 | 9.9     | 10.3 | 3.6 | 12.3     | 14.3 | 4.2 |
| Transient Cerebral Ischemia.....           | 104             | 1.0                 | 1.8  | 1.5 | 2.9     | 4.1  | 2.3 | 5.8      | 6.6  | 3.3 |
| Stroke.....                                | 272             | 11.8                | 19.9 | 3.4 | 16.9    | 25.7 | 3.7 | 21.7     | 29.2 | 4.0 |
| Hip Fracture.....                          | 265             | 5.7                 | 6.3  | 2.2 | 12.8    | 10.9 | 2.5 | 14.3     | 14.1 | 2.1 |
| Sepsis.....                                | 63              | 19.0                | 21.0 | 6.1 | 22.2    | 29.2 | 7.5 | 25.4     | 34.0 | 8.8 |
| PROCEDURES:                                |                 |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 363             | 5.0                 | 4.8  | 1.1 | 5.8     | 5.8  | 1.3 | 6.1      | 6.8  | 1.4 |
| Coronary Artery Bypass Graft.....          | 257             | 4.7                 | 6.9  | 2.3 | 8.6     | 9.5  | 2.5 | 9.7      | 10.6 | 2.3 |
| Initial Pacemaker Insertion.....           | 62              | 0.0                 | 2.2  | 2.7 | 1.6     | 4.4  | 3.6 | 1.6      | 6.7  | 5.3 |
| Carotid Endarterectomy.....                | 55              | 0.0                 | 1.7  | 2.5 | 0.0     | 3.0  | 4.0 | 5.5      | 4.4  | 3.0 |
| Hip Replacement/Reconstruction.....        | 230             | 2.6                 | 3.3  | 1.5 | 5.7     | 6.1  | 2.5 | 7.0      | 8.2  | 2.9 |
| Open Reduction of Hip Fracture.....        | 140             | 4.3                 | 5.4  | 3.9 | 12.1    | 9.8  | 2.9 | 12.9     | 13.0 | 2.9 |
| Prostatectomy.....                         | 394             | 1.3                 | 1.2  | 0.6 | 2.5     | 2.8  | 1.2 | 4.6      | 4.6  | 1.4 |
| Cholecystectomy.....                       | 215             | 2.3                 | 3.0  | 1.4 | 3.7     | 5.6  | 1.8 | 4.2      | 7.5  | 2.2 |
| Hysterectomy.....                          | 85              | 3.5                 | 1.1  | 2.8 | 4.7     | 2.4  | 2.9 | 7.1      | 3.6  | 3.8 |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOHNS REGIONAL HEALTH CENTER

Medicare Provider Number: 260065

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 51.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.1 %  
Transferred from skilled nursing facility..... 1.5 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 44.0 %

### COMORBIDITIES:

Cancer..... 8.1 %  
Chronic cardiovascular disease..... 38.3 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 13.1 %  
Cerebrovascular degeneration..... 2.3 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 35.1 %  
State ..... 58.4 %  
Outside State ..... 6.5 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 849  
Occupancy Rate ..... 70.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 45.2 %  
Case Mix Index (CMI) ..... 1.4916

### STAFFING:

Total Number of Physicians..... 345  
Percent of Physicians Board  
Certified Specialists..... 71.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 854  
Licensed Practical Nurses ..... 79

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS REGIONAL MEDICAL CENTER

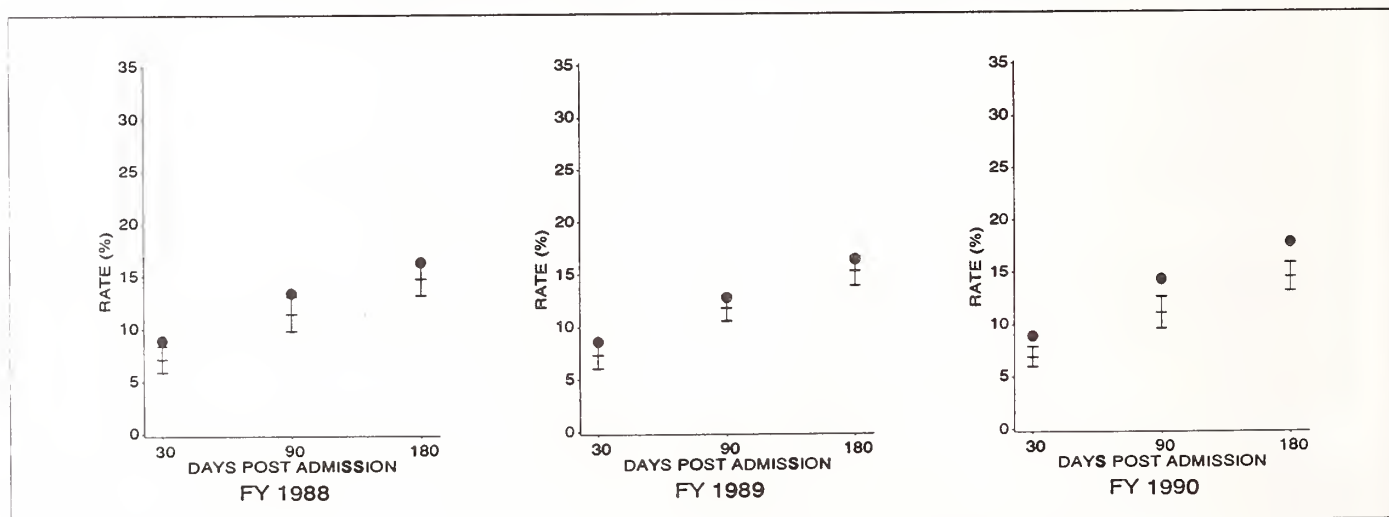
2727 MCCLELLAND BLVD  
JOPLIN, MO 64801  
Medicare Provider Number: 260001

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3694            | 8.9                 | 6.9  | 0.5  | 14.3    | 11.1 | 0.8  | 17.8     | 14.5 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 148             | 23.0                | 20.7 | 5.8  | 28.4    | 23.4 | 6.8  | 30.4     | 26.0 | 6.9  |
| Congestive Heart Failure.....              | 143             | 14.7                | 13.4 | 3.3  | 28.0    | 21.5 | 6.5  | 33.6     | 27.5 | 4.9  |
| Pneumonia/Influenza.....                   | 107             | 16.8                | 14.3 | 4.2  | 23.4    | 20.2 | 4.8  | 26.2     | 24.2 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 48              | 10.4                | 6.5  | ---- | 16.7    | 12.3 | ---- | 25.0     | 17.0 | ---- |
| Transient Cerebral Ischemia.....           | 43              | 2.3                 | 1.1  | ---- | 2.3     | 2.6  | ---- | 2.3      | 4.5  | ---- |
| Stroke.....                                | 105             | 15.2                | 16.0 | 3.9  | 20.0    | 21.6 | 4.3  | 23.8     | 25.2 | 4.4  |
| Hip Fracture.....                          | 112             | 4.5                 | 5.0  | 3.1  | 8.0     | 9.2  | 3.1  | 10.7     | 12.3 | 3.7  |
| Sepsis.....                                | 32              | 15.6                | 25.0 | ---- | 28.1    | 33.5 | ---- | 34.4     | 38.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 70              | 0.0                 | 2.8  | 3.3  | 0.0     | 3.6  | 3.9  | 1.4      | 4.4  | 3.4  |
| Coronary Artery Bypass Graft.....          | 112             | 9.8                 | 4.1  | 3.2  | 10.7    | 5.7  | 3.3  | 10.7     | 6.5  | 3.3  |
| Initial Pacemaker Insertion.....           | 45              | 6.7                 | 2.2  | ---- | 8.9     | 4.3  | ---- | 8.9      | 6.3  | ---- |
| Carotid Endarterectomy.....                | 56              | 1.8                 | 1.4  | 2.1  | 3.6     | 2.8  | 2.7  | 3.6      | 4.2  | 2.7  |
| Hip Replacement/Reconstruction.....        | 102             | 1.0                 | 2.3  | 2.5  | 5.9     | 4.5  | 2.7  | 7.8      | 6.4  | 4.1  |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 7.5  | ---- | 6.3     | 13.6 | ---- | 6.3      | 17.8 | ---- |
| Prostatectomy.....                         | 135             | 1.5                 | 0.7  | 1.2  | 1.5     | 1.8  | 1.2  | 3.7      | 3.1  | 1.8  |
| Cholecystectomy.....                       | 74              | 4.1                 | 2.9  | 3.0  | 9.5     | 5.3  | 4.2  | 12.2     | 7.1  | 5.2  |
| Hysterectomy.....                          | 37              | 2.7                 | 0.6  | ---- | 2.7     | 1.2  | ---- | 2.7      | 1.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOHNS REGIONAL MEDICAL CENTER

Medicare Provider Number: 260001

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.0 years |
| Proportion female.....        | 51.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 49.0 % |
| Transferred from skilled nursing facility..... | 3.1 %  |
| Admitted for elective procedure.....           | 80.6 % |
| Admitted for emergency.....                    | 0.8 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.9 %  |
| Chronic cardiovascular disease..... | 38.6 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 4.3 %  |
| Chronic pulmonary disease.....      | 15.3 % |
| Cerebrovascular degeneration.....   | 3.6 %  |
| Diabetes mellitus.....              | 6.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 46.7%  |
| State .....         | 20.5%  |
| Outside State ..... | 32.8%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.2 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 345                 |
| Occupancy Rate .....       | 67.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 53.1 %              |
| Case Mix Index (CMI) ..... | 1.5180              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 126    |
| Percent of Physicians Board<br>Certified Specialists ..... | 60.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 329    |
| Licensed Practical Nurses .....                            | 64     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH HEALTH CENTER

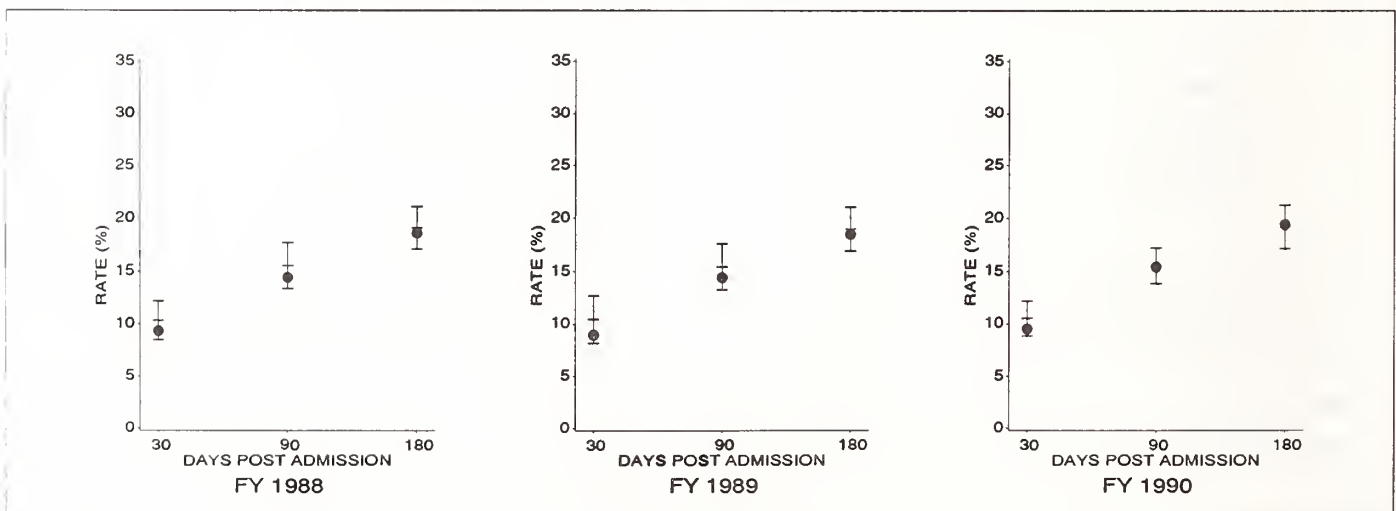
300 1ST CAPITOL DR  
ST CHARLES, MO 63301  
Medicare Provider Number: 260005

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1864            | 9.5                 | 10.5 | 0.8   | 15.4    | 15.5 | 0.8   | 19.4     | 19.2 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 83              | 28.9                | 28.5 | 5.3   | 31.3    | 31.7 | 5.6   | 32.5     | 34.5 | 6.7   |
| Congestive Heart Failure.....              | 113             | 10.6                | 14.6 | 5.4   | 20.4    | 23.0 | 4.8   | 26.5     | 29.4 | 4.7   |
| Pneumonia/Influenza.....                   | 122             | 17.2                | 17.4 | 4.1   | 25.4    | 23.9 | 5.1   | 28.7     | 27.9 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 21              | 0.0                 | 5.1  | ----- | 14.3    | 9.9  | ----- | 19.0     | 13.8 | ----- |
| Transient Cerebral Ischemia.....           | 22              | 9.1                 | 2.1  | ----- | 9.1     | 4.4  | ----- | 9.1      | 6.8  | ----- |
| Stroke.....                                | 70              | 18.6                | 24.5 | 8.4   | 28.6    | 31.5 | 9.6   | 31.4     | 35.4 | 10.7  |
| Hip Fracture.....                          | 65              | 7.7                 | 6.8  | 3.7   | 12.3    | 12.2 | 6.0   | 12.3     | 15.9 | 6.8   |
| Sepsis.....                                | 16              | 6.3                 | 25.4 | ----- | 12.5    | 33.3 | ----- | 18.8     | 37.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 24              | 8.3                 | 2.9  | ----- | 8.3     | 3.7  | ----- | 8.3      | 4.5  | ----- |
| Coronary Artery Bypass Graft.....          | 38              | 10.5                | 7.3  | ----- | 13.2    | 9.7  | ----- | 13.2     | 10.6 | ----- |
| Initial Pacemaker Insertion.....           | 15              | 0.0                 | 2.5  | ----- | 6.7     | 5.3  | ----- | 6.7      | 8.1  | ----- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 1.3  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 31              | 6.5                 | 4.8  | ----- | 12.9    | 8.8  | ----- | 12.9     | 11.8 | ----- |
| Open Reduction of Hip Fracture.....        | 40              | 10.0                | 5.8  | ----- | 15.0    | 10.7 | ----- | 15.0     | 14.2 | ----- |
| Prostatectomy.....                         | 57              | 0.0                 | 0.7  | 1.2   | 0.0     | 1.7  | 2.1   | 1.8      | 3.0  | 2.8   |
| Cholecystectomy.....                       | 36              | 0.0                 | 2.5  | ----- | 0.0     | 4.2  | ----- | 0.0      | 5.4  | ----- |
| Hysterectomy.....                          | 14              | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOSEPH HEALTH CENTER

Medicare Provider Number: 260005

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.0 years |
| Proportion female.....        | 59.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 30.7 % |
| Transferred from skilled nursing facility..... | 1.1 %  |
| Admitted for elective procedure.....           | 14.4 % |
| Admitted for emergency.....                    | 58.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.9 %  |
| Chronic cardiovascular disease..... | 40.2 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 4.6 %  |
| Chronic pulmonary disease.....      | 14.9 % |
| Cerebrovascular degeneration.....   | 5.8 %  |
| Diabetes mellitus.....              | 6.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 75.6%  |
| State .....         | 21.4%  |
| Outside State ..... | 3.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.8 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 362                 |
| Occupancy Rate .....       | 56.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 37.6 %              |
| Case Mix Index (CMI) ..... | 1.3469              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 268    |
| Percent of Physicians Board<br>Certified Specialists ..... | 73.1 % |
| Medical Residents/Interns .....                            | 1      |
| Registered Nurses.....                                     | 293    |
| Licensed Practical Nurses .....                            | 20     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH HEALTH CENTER

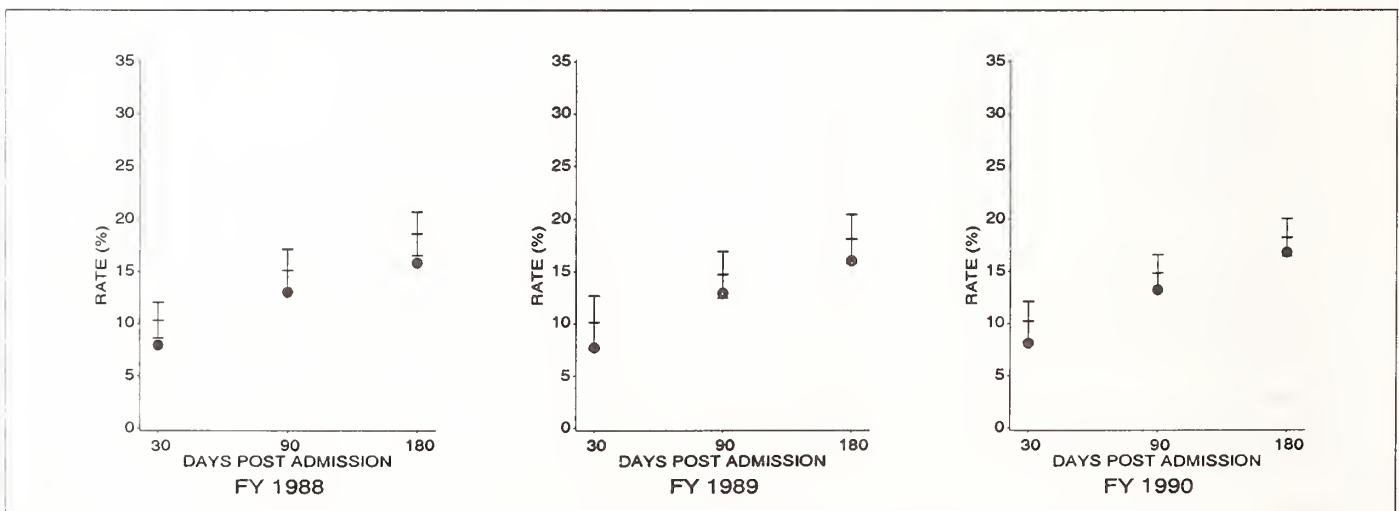
1000 CARONDELET DR  
KANSAS CITY, MO 64114  
Medicare Provider Number: 260085

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2440               | 8.1                 | 10.2 | 0.9  | 13.2    | 14.8 | 0.9  | 16.8     | 18.2 | 0.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 96                 | 16.7                | 26.4 | 8.8  | 21.9    | 29.0 | 8.8  | 25.0     | 31.5 | 7.6  |
| Congestive Heart Failure.....              | 113                | 11.5                | 14.4 | 4.8  | 18.6    | 22.3 | 4.7  | 27.4     | 28.4 | 4.3  |
| Pneumonia/Influenza.....                   | 135                | 9.6                 | 14.2 | 4.8  | 14.8    | 19.4 | 4.3  | 21.5     | 22.9 | 3.9  |
| Chronic Obstructive Pulmonary Disease..... | 56                 | 0.0                 | 6.1  | 5.3  | 7.1     | 11.2 | 5.2  | 14.3     | 15.1 | 5.3  |
| Transient Cerebral Ischemia.....           | 37                 | 0.0                 | 1.6  | ---- | 0.0     | 3.7  | ---- | 2.7      | 6.2  | ---- |
| Stroke.....                                | 76                 | 15.8                | 20.9 | 8.4  | 21.1    | 27.3 | 8.8  | 22.4     | 31.2 | 9.2  |
| Hip Fracture.....                          | 92                 | 4.3                 | 7.7  | 4.2  | 13.0    | 13.3 | 4.7  | 16.3     | 17.2 | 4.0  |
| Sepsis.....                                | 40                 | 22.5                | 23.3 | ---- | 32.5    | 29.4 | ---- | 37.5     | 33.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 52                 | 1.9                 | 4.6  | 3.5  | 3.8     | 5.7  | 3.6  | 5.8      | 6.8  | 4.2  |
| Coronary Artery Bypass Graft.....          | 50                 | 4.0                 | 6.1  | ---- | 4.0     | 8.3  | ---- | 4.0      | 9.2  | ---- |
| Initial Pacemaker Insertion.....           | 21                 | 0.0                 | 2.7  | ---- | 0.0     | 5.1  | ---- | 0.0      | 7.4  | ---- |
| Carotid Endarterectomy.....                | 6                  | 0.0                 | 1.1  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.0  | ---- |
| Hip Replacement/Reconstruction.....        | 60                 | 1.7                 | 4.6  | 3.7  | 5.0     | 8.5  | 4.6  | 8.3      | 11.2 | 4.7  |
| Open Reduction of Hip Fracture.....        | 40                 | 2.5                 | 8.0  | ---- | 10.0    | 13.8 | ---- | 12.5     | 17.7 | ---- |
| Prostatectomy.....                         | 71                 | 0.0                 | 0.8  | 1.3  | 0.0     | 1.9  | 2.3  | 1.4      | 3.3  | 2.7  |
| Cholecystectomy.....                       | 37                 | 5.4                 | 4.0  | ---- | 10.8    | 6.9  | ---- | 10.8     | 8.9  | ---- |
| Hysterectomy.....                          | 24                 | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPH HEALTH CENTER

Medicare Provider Number: 260085

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years  
Proportion female..... 59.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.2 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 17.2 %  
Admitted for emergency..... 58.7 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 38.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 17.3 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 5.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.8%  
State ..... 14.9%  
Outside State ..... 29.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 243  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 36.2 %  
Case Mix Index (CMI) ..... 1.4173

### STAFFING:

Total Number of Physicians..... 228  
Percent of Physicians Board  
Certified Specialists ..... 78.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 271  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH HOSPITAL WEST

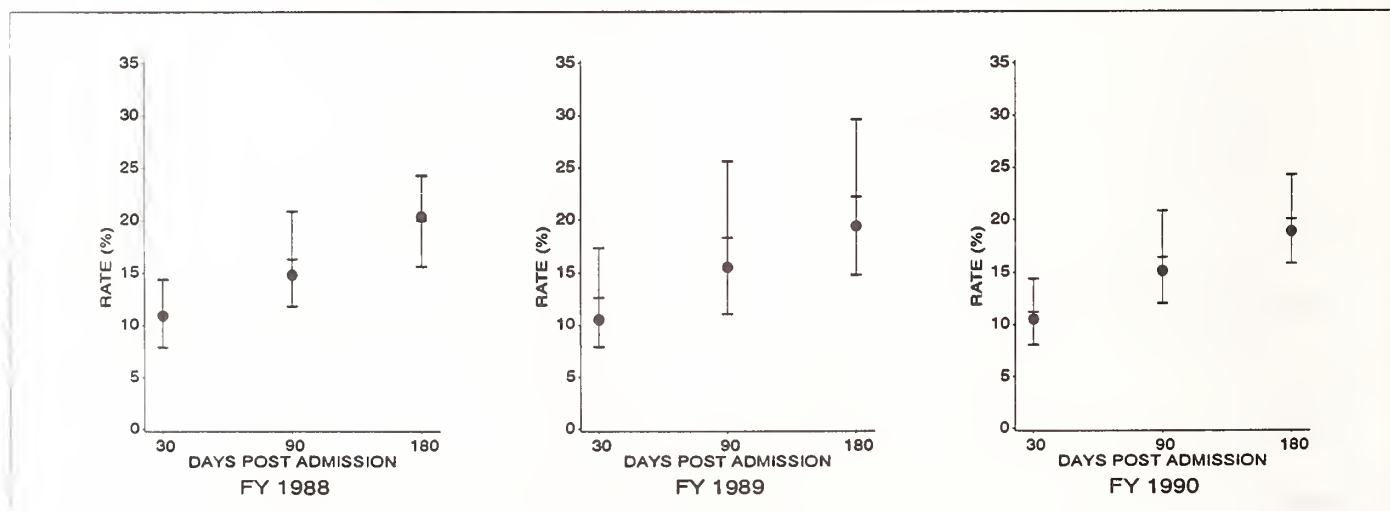
100 MEDICAL PLAZA  
ST LOUIS, MO 63367  
Medicare Provider Number: 260200

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 496             | 10.5                | 11.2 | 1.6   | 15.1    | 16.4 | 2.2   | 18.8     | 20.0 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 26              | 15.4                | 23.7 | ----- | 15.4    | 26.0 | ----- | 19.2     | 28.4 | ----- |
| Congestive Heart Failure.....              | 35              | 8.6                 | 16.6 | ----- | 20.0    | 25.6 | ----- | 28.6     | 32.2 | ----- |
| Pneumonia/Influenza.....                   | 39              | 20.5                | 16.5 | ----- | 25.6    | 22.6 | ----- | 30.8     | 26.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 3.7  | ----- | 0.0     | 7.1  | ----- | 0.0      | 10.3 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 1.8  | ----- | 9.1     | 4.2  | ----- | 18.2     | 7.0  | ----- |
| Stroke.....                                | 18              | 33.3                | 23.7 | ----- | 38.9    | 28.8 | ----- | 44.4     | 32.1 | ----- |
| Hip Fracture.....                          | 24              | 4.2                 | 8.5  | ----- | 12.5    | 14.4 | ----- | 12.5     | 18.1 | ----- |
| Sepsis.....                                | 4               | 0.0                 | 13.4 | ----- | 0.0     | 18.1 | ----- | 0.0      | 21.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 19.7 | ----- | 0.0     | 30.6 | ----- | 0.0      | 34.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 9.3  | ----- | 0.0     | 18.8 | ----- | 0.0      | 25.1 | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 0.0                 | 7.6  | ----- | 11.8    | 13.3 | ----- | 11.8     | 16.9 | ----- |
| Prostatectomy.....                         | 16              | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.6  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 1.5  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.2  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOSEPH HOSPITAL WEST

Medicare Provider Number: 260200

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 59.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 23.8 %  
Transferred from skilled nursing facility..... 2.2 %  
Admitted for elective procedure..... 7.3 %  
Admitted for emergency..... 70.8 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 34.7 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 10.9 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 8.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 45.6%  
State ..... 50.5%  
Outside State ..... 3.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 100  
Occupancy Rate ..... 24.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 40.0 %  
Case Mix Index (CMI) ..... 1.1774

### STAFFING:

Total Number of Physicians..... 210  
Percent of Physicians Board  
Certified Specialists..... 72.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 67  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPHS HOSPITAL

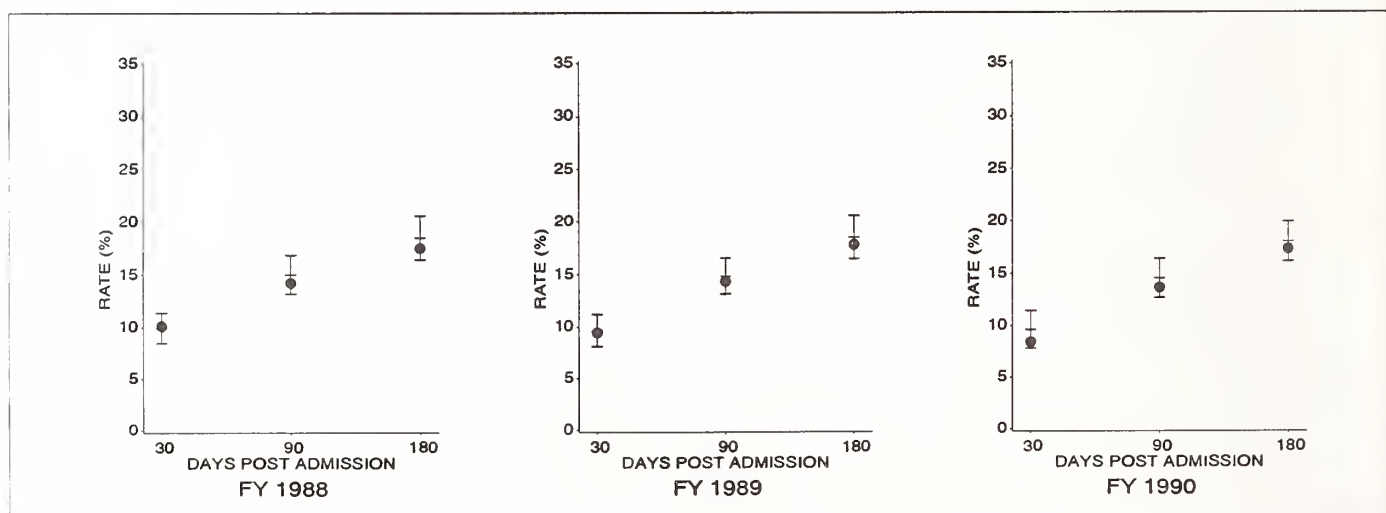
525 COUCH AVE  
KIRKWOOD, MO 63122  
Medicare Provider Number: 260081

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2598            | 8.4                 | 9.6  | 0.9   | 13.6    | 14.5 | 0.9   | 17.3     | 18.0 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 91              | 18.7                | 25.0 | 6.0   | 23.1    | 28.2 | 5.6   | 28.6     | 30.9 | 5.0   |
| Congestive Heart Failure.....              | 144             | 10.4                | 14.8 | 4.2   | 23.6    | 23.3 | 3.6   | 30.6     | 29.6 | 3.9   |
| Pneumonia/Influenza.....                   | 142             | 15.5                | 15.7 | 3.4   | 21.8    | 21.5 | 3.5   | 26.1     | 25.3 | 4.5   |
| Chronic Obstructive Pulmonary Disease..... | 44              | 6.8                 | 7.5  | ----- | 18.2    | 13.3 | ----- | 22.7     | 17.7 | ----- |
| Transient Cerebral Ischemia.....           | 56              | 0.0                 | 1.7  | 2.3   | 3.6     | 3.7  | 2.5   | 3.6      | 5.9  | 3.7   |
| Stroke.....                                | 123             | 12.2                | 20.3 | 4.2   | 16.3    | 27.2 | 5.2   | 20.3     | 31.2 | 5.5   |
| Hip Fracture.....                          | 82              | 7.3                 | 6.7  | 2.8   | 9.8     | 12.3 | 4.0   | 13.4     | 16.1 | 5.4   |
| Sepsis.....                                | 47              | 19.1                | 21.8 | ----- | 23.4    | 30.3 | ----- | 27.7     | 35.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 56              | 5.4                 | 4.1  | 4.6   | 5.4     | 5.1  | 3.1   | 5.4      | 6.1  | 3.3   |
| Coronary Artery Bypass Graft.....          | 66              | 6.1                 | 6.3  | 3.0   | 7.6     | 8.5  | 3.7   | 7.6      | 9.5  | 4.0   |
| Initial Pacemaker Insertion.....           | 32              | 0.0                 | 3.7  | ----- | 3.1     | 7.1  | ----- | 3.1      | 10.2 | ----- |
| Carotid Endarterectomy.....                | 22              | 0.0                 | 1.7  | ----- | 0.0     | 3.1  | ----- | 4.5      | 4.6  | ----- |
| Hip Replacement/Reconstruction.....        | 62              | 3.2                 | 2.9  | 3.2   | 3.2     | 5.7  | 4.9   | 6.5      | 7.8  | 6.2   |
| Open Reduction of Hip Fracture.....        | 42              | 4.8                 | 5.6  | ----- | 9.5     | 10.5 | ----- | 11.9     | 14.0 | ----- |
| Prostatectomy.....                         | 87              | 2.3                 | 0.9  | 1.3   | 5.7     | 2.2  | 2.5   | 8.0      | 3.7  | 3.1   |
| Cholecystectomy.....                       | 39              | 5.1                 | 3.0  | ----- | 10.3    | 5.5  | ----- | 10.3     | 7.2  | ----- |
| Hysterectomy.....                          | 30              | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST JOSEPHS HOSPITAL**  
Medicare Provider Number: 260081

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.4 years  
Proportion female..... 60.4 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 49.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 16.1 %  
Admitted for emergency..... 50.4 %

**COMORBIDITIES:**

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 38.7 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 7.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 69.9%  
State..... 28.0%  
Outside State..... 2.1%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 8.3 Days  
State..... 8.4 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds..... 289  
Occupancy Rate..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 48.9 %  
Case Mix Index (CMI)..... 1.4061

**STAFFING:**

Total Number of Physicians..... 264  
Percent of Physicians Board  
Certified Specialists..... 75.8 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 231  
Licensed Practical Nurses..... 10

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LOUIS REGIONAL MEDICAL CENTER

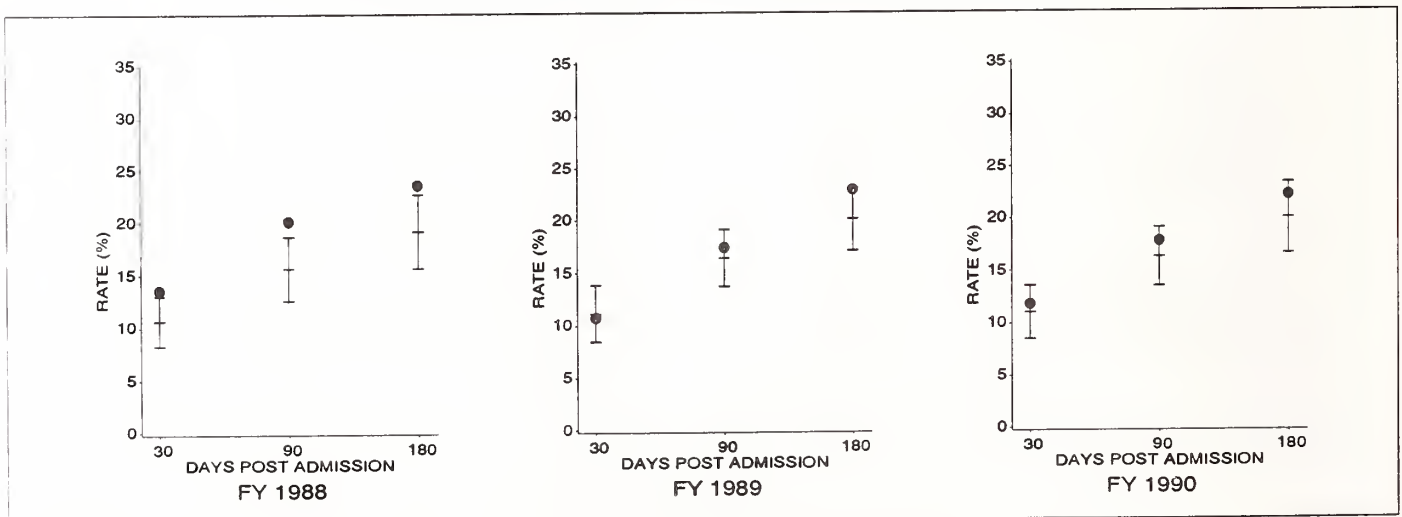
5535 DELMAR BLVD  
ST LOUIS, MO 63112  
Medicare Provider Number: 260008

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 859                | 11.8                | 11.0 | 1.3  | 17.8    | 16.3 | 1.4  | 22.2     | 20.0 | 1.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 19                 | 21.1                | 28.5 | ---- | 36.8    | 30.8 | ---- | 36.8     | 33.5 | ---- |
| Congestive Heart Failure.....              | 69                 | 11.6                | 12.5 | 4.3  | 15.9    | 20.5 | 6.2  | 23.2     | 26.3 | 6.0  |
| Pneumonia/Influenza.....                   | 46                 | 17.4                | 13.3 | ---- | 23.9    | 18.1 | ---- | 26.1     | 21.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 15.4                | 10.6 | ---- | 38.5    | 17.4 | ---- | 38.5     | 22.0 | ---- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 0.9  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.4  | ---- |
| Stroke.....                                | 50                 | 8.0                 | 15.8 | ---- | 12.0    | 21.9 | ---- | 18.0     | 25.5 | ---- |
| Hip Fracture.....                          | 15                 | 0.0                 | 6.2  | ---- | 20.0    | 10.9 | ---- | 20.0     | 14.2 | ---- |
| Sepsis.....                                | 17                 | 41.2                | 26.5 | ---- | 47.1    | 36.3 | ---- | 52.9     | 40.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 3.1  | ---- | 100.0   | 7.4  | ---- | 100.0    | 11.9 | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 8                  | 0.0                 | 5.0  | ---- | 12.5    | 9.4  | ---- | 12.5     | 12.8 | ---- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 6.7  | ---- | 0.0     | 11.8 | ---- | 0.0      | 14.9 | ---- |
| Prostatectomy.....                         | 13                 | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.4  | ---- |
| Cholecystectomy.....                       | 6                  | 0.0                 | 1.1  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.6  | ---- |
| Hysterectomy.....                          | 3                  | 0.0                 | 2.5  | ---- | 0.0     | 3.6  | ---- | 0.0      | 4.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**ST LOUIS REGIONAL MEDICAL CENTER**  
Medicare Provider Number: 260008

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 68.3 years  
Proportion female..... 51.5 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 0.3 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 14.4 %  
Admitted for emergency..... 81.1 %

**COMORBIDITIES:**

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 34.9 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 11.4 %  
Chronic pulmonary disease..... 12.6 %  
Cerebrovascular degeneration..... 9.3 %  
Diabetes mellitus..... 14.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 81.9%  
State ..... 15.8%  
Outside State ..... 2.3%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 321  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 15.0 %  
Case Mix Index (CMI) ..... 1.2912

**STAFFING:**

Total Number of Physicians..... 108  
Percent of Physicians Board  
Certified Specialists ..... 58.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 336  
Licensed Practical Nurses ..... 81

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LOUIS UNIVERSITY HOSPITAL

3635 VISTA AT GRAND BLVD, BOX 15250

ST LOUIS, MO 63111

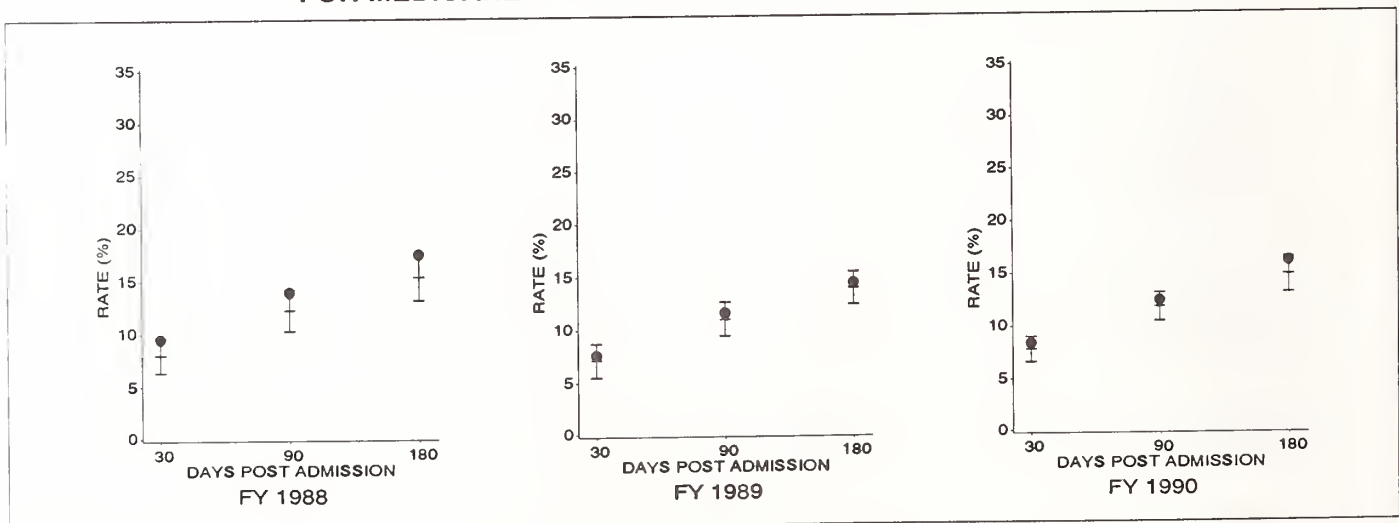
Medicare Provider Number: 260105

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2703            | 8.4                 | 7.8  | 0.6   | 12.4    | 11.8 | 0.7   | 16.1     | 14.8 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 92              | 18.5                | 19.4 | 4.5   | 22.8    | 22.7 | 4.4   | 22.8     | 25.5 | 4.8   |
| Congestive Heart Failure.....              | 108             | 9.3                 | 13.4 | 4.7   | 14.8    | 21.2 | 6.2   | 20.4     | 27.0 | 6.0   |
| Pneumonia/Influenza.....                   | 45              | 8.9                 | 14.7 | ----- | 11.1    | 20.1 | ----- | 15.6     | 23.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 29              | 17.2                | 8.7  | ----- | 20.7    | 15.4 | ----- | 24.1     | 20.3 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.1  | ----- |
| Stroke.....                                | 87              | 23.0                | 19.9 | 6.1   | 26.4    | 25.2 | 5.6   | 27.6     | 28.6 | 5.4   |
| Hip Fracture.....                          | 57              | 8.8                 | 6.3  | 4.3   | 10.5    | 10.8 | 4.2   | 12.3     | 13.8 | 4.9   |
| Sepsis.....                                | 22              | 18.2                | 19.1 | ----- | 36.4    | 26.3 | ----- | 40.9     | 30.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 147             | 4.1                 | 2.3  | 1.8   | 6.1     | 3.1  | 2.7   | 7.5      | 4.0  | 3.2   |
| Coronary Artery Bypass Graft.....          | 154             | 11.0                | 4.5  | 2.3   | 15.6    | 6.8  | 2.9   | 19.5     | 7.9  | 3.8   |
| Initial Pacemaker Insertion.....           | 25              | 4.0                 | 3.2  | ----- | 12.0    | 6.1  | ----- | 16.0     | 8.8  | ----- |
| Carotid Endarterectomy.....                | 14              | 7.1                 | 0.9  | ----- | 14.3    | 1.8  | ----- | 14.3     | 2.7  | ----- |
| Hip Replacement/Reconstruction.....        | 60              | 3.3                 | 1.9  | 2.4   | 3.3     | 3.4  | 3.4   | 8.3      | 4.6  | 4.2   |
| Open Reduction of Hip Fracture.....        | 29              | 3.4                 | 4.3  | ----- | 6.9     | 7.7  | ----- | 10.3     | 10.4 | ----- |
| Prostatectomy.....                         | 48              | 0.0                 | 1.1  | ----- | 2.1     | 2.5  | ----- | 6.3      | 4.1  | ----- |
| Cholecystectomy.....                       | 31              | 6.5                 | 3.8  | ----- | 6.5     | 7.1  | ----- | 6.5      | 9.6  | ----- |
| Hysterectomy.....                          | 31              | 0.0                 | 1.0  | ----- | 3.2     | 2.4  | ----- | 3.2      | 3.9  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST LOUIS UNIVERSITY HOSPITAL**  
Medicare Provider Number: 260105

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 70.1 years  
Proportion female..... 51.0 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 50.8 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 55.1 %  
Admitted for emergency..... 0.7 %

**COMORBIDITIES:**

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 43.0 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 5.6 %  
Chronic pulmonary disease..... 11.1 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 6.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 19.9 %  
State ..... 53.9 %  
Outside State ..... 26.2 %  
Total ..... 100.0 %

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 308  
Occupancy Rate ..... 88.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.4 %  
Case Mix Index (CMI) ..... 1.7960

**STAFFING:**

Total Number of Physicians..... 342  
Percent of Physicians Board  
Certified Specialists ..... 83.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 347  
Licensed Practical Nurses ..... 77

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LUKES EPISCOPAL PRESBYTERIAN HOSPITAL

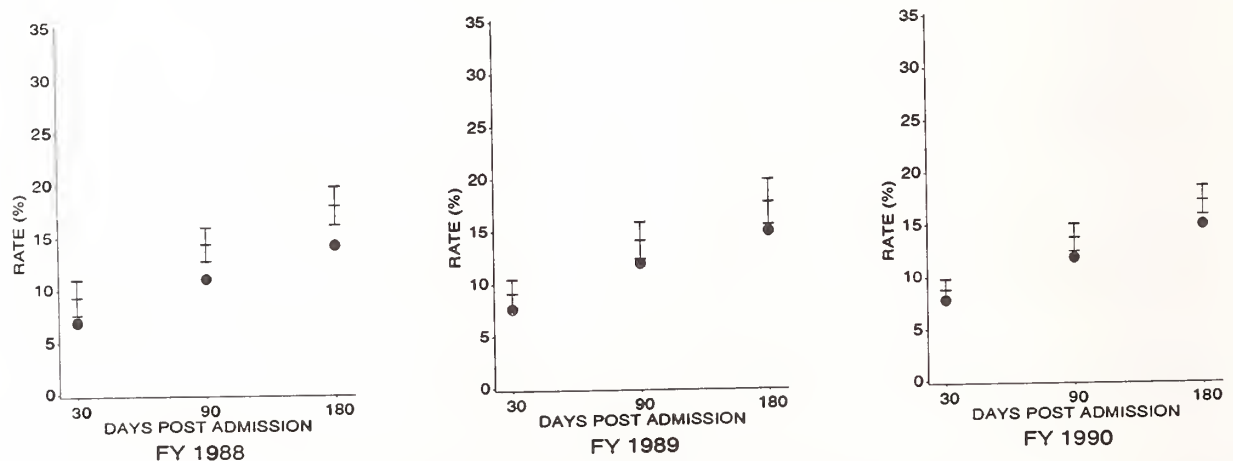
232 S WOODS MILL RD  
CHESTERFIELD, MO 63017  
Medicare Provider Number: 260179

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3319            | 7.8                 | 8.8  | 0.5   | 11.8    | 13.7 | 0.7   | 14.9     | 17.2 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 118             | 22.9                | 25.1 | 4.9   | 25.4    | 28.7 | 5.4   | 28.0     | 31.4 | 6.4   |
| Congestive Heart Failure.....              | 178             | 16.9                | 18.1 | 2.9   | 23.0    | 27.9 | 3.9   | 29.8     | 34.6 | 4.4   |
| Pneumonia/Influenza.....                   | 157             | 9.6                 | 16.1 | 4.2   | 17.2    | 22.2 | 4.0   | 20.4     | 26.3 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 68              | 4.4                 | 8.2  | 3.8   | 10.3    | 14.3 | 4.7   | 14.7     | 18.8 | 5.6   |
| Transient Cerebral Ischemia.....           | 51              | 0.0                 | 1.8  | 2.5   | 3.9     | 4.1  | 2.8   | 5.9      | 6.6  | 3.7   |
| Stroke.....                                | 91              | 18.7                | 22.5 | 5.7   | 22.0    | 29.2 | 7.2   | 25.3     | 33.0 | 8.1   |
| Hip Fracture.....                          | 89              | 4.5                 | 6.8  | 3.4   | 5.6     | 12.2 | 5.2   | 5.6      | 15.9 | 6.3   |
| Sepsis.....                                | 38              | 23.7                | 24.8 | ----- | 31.6    | 34.0 | ----- | 31.6     | 39.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 75              | 2.7                 | 3.1  | 3.5   | 2.7     | 4.1  | 3.6   | 2.7      | 5.1  | 4.1   |
| Coronary Artery Bypass Graft.....          | 87              | 5.7                 | 7.9  | 4.9   | 6.9     | 10.6 | 5.7   | 9.2      | 11.6 | 5.5   |
| Initial Pacemaker Insertion.....           | 47              | 0.0                 | 2.9  | ----- | 2.1     | 5.8  | ----- | 6.4      | 8.5  | ----- |
| Carotid Endarterectomy.....                | 14              | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.1  | ----- |
| Hip Replacement/Reconstruction.....        | 76              | 1.3                 | 3.0  | 2.4   | 1.3     | 5.5  | 4.1   | 1.3      | 7.3  | 5.0   |
| Open Reduction of Hip Fracture.....        | 37              | 10.8                | 6.0  | ----- | 13.5    | 11.2 | ----- | 13.5     | 15.0 | ----- |
| Prostatectomy.....                         | 89              | 1.1                 | 1.0  | 1.1   | 1.1     | 2.3  | 1.8   | 1.1      | 3.7  | 2.7   |
| Cholecystectomy.....                       | 62              | 1.6                 | 2.0  | 1.9   | 1.6     | 3.8  | 3.1   | 1.6      | 5.1  | 4.1   |
| Hysterectomy.....                          | 47              | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST LUKES EPISCOPAL PRESBYTERIAN HOSPITAL

Medicare Provider Number: 260179

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.8 %  
Transferred from skilled nursing facility..... 8.8 %  
Admitted for elective procedure..... 25.0 %  
Admitted for emergency..... 37.1 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 32.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 9.7 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 57.8%  
State ..... 27.8%  
Outside State ..... 14.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.7 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 368  
Occupancy Rate ..... 64.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 37.3 %  
Case Mix Index (CMI) ..... 1.4478

### STAFFING:

Total Number of Physicians..... 481  
Percent of Physicians Board  
Certified Specialists..... 77.8 %  
Medical Residents/Interns ..... 54  
Registered Nurses..... 484  
Licensed Practical Nurses ..... 90

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LUKES HOSPITAL OF KANSAS CITY

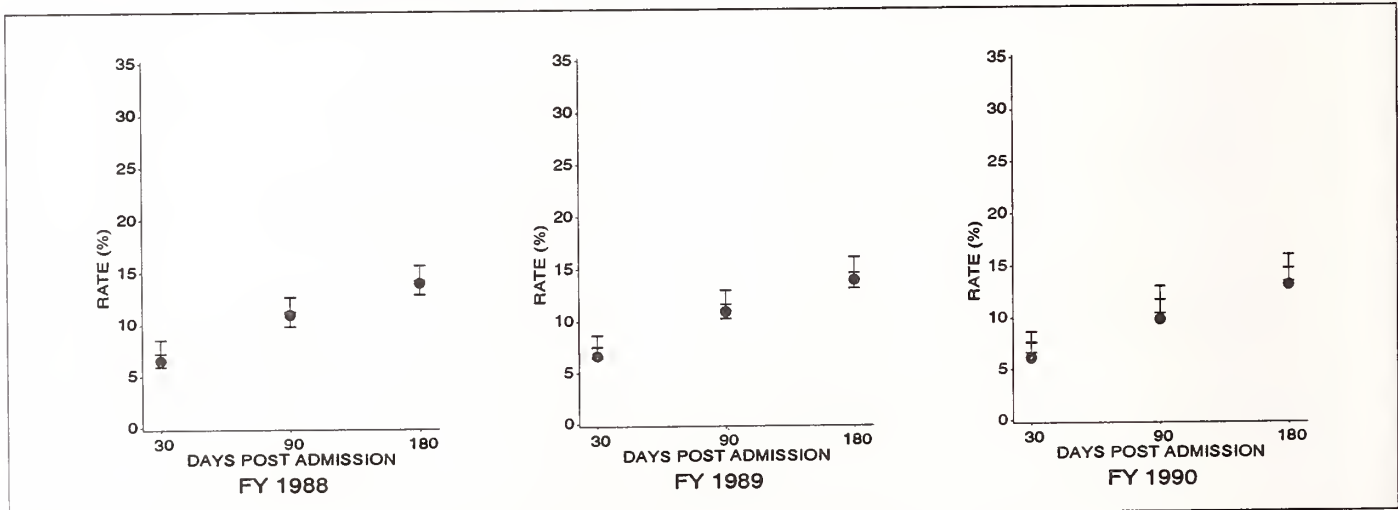
4400 WORNALL ROAD, BOX 119000  
KANSAS CITY, MO 64111  
Medicare Provider Number: 260138

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5040            | 6.1                 | 7.6  | 0.5   | 9.8     | 11.7 | 0.7   | 13.1     | 14.7 | 0.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 220             | 12.7                | 22.5 | 3.8   | 19.1    | 25.1 | 3.3   | 20.9     | 27.5 | 3.4   |
| Congestive Heart Failure.....              | 141             | 14.9                | 15.0 | 3.1   | 19.9    | 24.1 | 5.3   | 29.1     | 30.6 | 5.2   |
| Pneumonia/Influenza.....                   | 138             | 13.0                | 16.4 | 6.8   | 17.4    | 22.4 | 7.8   | 22.5     | 26.3 | 7.8   |
| Chronic Obstructive Pulmonary Disease..... | 76              | 5.3                 | 8.2  | 4.2   | 11.8    | 14.9 | 5.1   | 18.4     | 20.1 | 4.8   |
| Transient Cerebral Ischemia.....           | 83              | 2.4                 | 1.6  | 1.7   | 3.6     | 3.5  | 3.4   | 7.2      | 5.6  | 5.0   |
| Stroke.....                                | 119             | 16.8                | 21.0 | 6.0   | 22.7    | 27.1 | 7.1   | 26.1     | 30.7 | 7.1   |
| Hip Fracture.....                          | 71              | 2.8                 | 6.6  | 5.3   | 8.5     | 11.7 | 7.1   | 11.3     | 15.1 | 6.6   |
| Sepsis.....                                | 25              | 12.0                | 23.5 | ----- | 20.0    | 31.1 | ----- | 36.0     | 35.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 586             | 2.4                 | 2.7  | 0.7   | 4.6     | 3.7  | 0.8   | 5.8      | 4.6  | 1.0   |
| Coronary Artery Bypass Graft.....          | 215             | 4.2                 | 5.1  | 1.7   | 6.0     | 7.4  | 2.3   | 9.3      | 8.5  | 2.0   |
| Initial Pacemaker Insertion.....           | 60              | 1.7                 | 3.1  | 2.5   | 3.3     | 6.5  | 4.0   | 6.7      | 9.6  | 5.0   |
| Carotid Endarterectomy.....                | 63              | 1.6                 | 1.7  | 1.6   | 3.2     | 3.1  | 2.4   | 6.3      | 4.4  | 3.3   |
| Hip Replacement/Reconstruction.....        | 93              | 5.4                 | 2.5  | 3.2   | 7.5     | 4.5  | 3.3   | 8.6      | 6.0  | 3.4   |
| Open Reduction of Hip Fracture.....        | 30              | 3.3                 | 5.5  | ----- | 10.0    | 10.2 | ----- | 10.0     | 13.7 | ----- |
| Prostatectomy.....                         | 161             | 0.6                 | 0.7  | 1.0   | 3.1     | 1.8  | 1.4   | 3.7      | 3.2  | 1.9   |
| Cholecystectomy.....                       | 61              | 3.3                 | 2.9  | 3.3   | 6.6     | 5.5  | 3.9   | 9.8      | 7.5  | 4.0   |
| Hysterectomy.....                          | 58              | 1.7                 | 1.1  | 1.7   | 5.2     | 2.7  | 3.6   | 5.2      | 4.3  | 2.8   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST LUKES HOSPITAL OF KANSAS CITY

Medicare Provider Number: 260138

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.9 years  
Proportion female..... 50.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 55.1 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 39.1 %  
Admitted for emergency..... 58.1 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 35.0 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 3.9 %  
Chronic pulmonary disease..... 8.7 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 33.8%  
State ..... 32.7%  
Outside State ..... 33.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 560  
Occupancy Rate ..... 69.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 39.2 %  
Case Mix Index (CMI) ..... 1.6624

### STAFFING:

Total Number of Physicians..... 276  
Percent of Physicians Board  
Certified Specialists..... 91.7 %  
Medical Residents/Interns ..... 115  
Registered Nurses..... 456  
Licensed Practical Nurses ..... 50

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS HEALTH CENTER

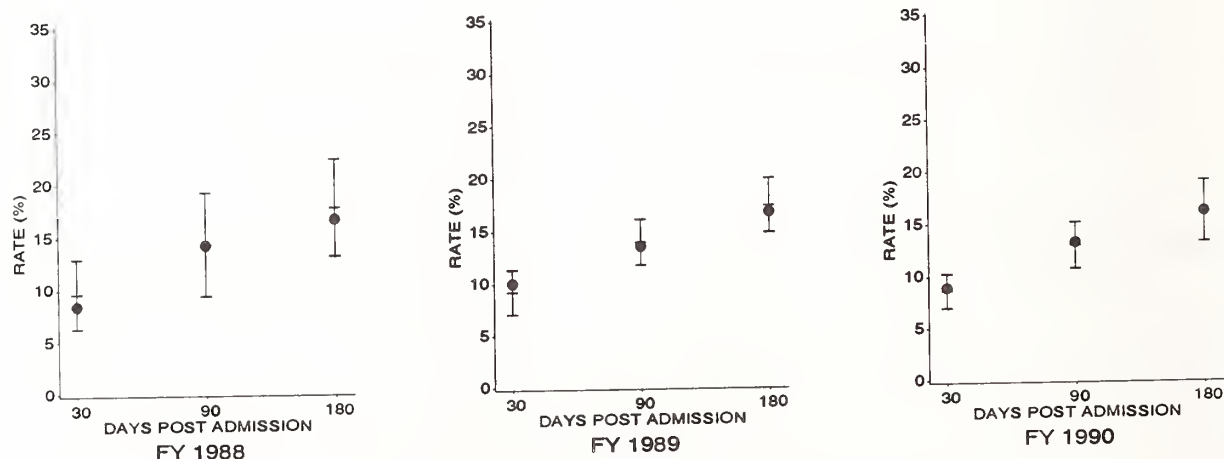
610 W ELM ST  
JEFFERSON CITY, MO 65101  
Medicare Provider Number: 260011

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1252            | 8.9                 | 8.6  | 0.8  | 13.2    | 12.9 | 1.1  | 16.1     | 16.1 | 1.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 41              | 22.0                | 25.0 | ---- | 29.3    | 27.5 | ---- | 34.1     | 30.0 | ---- |
| Congestive Heart Failure.....              | 67              | 19.4                | 13.9 | 6.7  | 23.9    | 21.9 | 7.2  | 29.9     | 28.3 | 6.7  |
| Pneumonia/Influenza.....                   | 72              | 16.7                | 15.7 | 5.1  | 20.8    | 21.7 | 5.0  | 22.2     | 25.7 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 20              | 10.0                | 8.3  | ---- | 10.0    | 14.6 | ---- | 15.0     | 19.4 | ---- |
| Transient Cerebral Ischemia.....           | 17              | 11.8                | 1.9  | ---- | 11.8    | 4.2  | ---- | 11.8     | 7.1  | ---- |
| Stroke.....                                | 63              | 9.5                 | 18.0 | 6.6  | 17.5    | 23.9 | 6.8  | 20.6     | 27.4 | 7.7  |
| Hip Fracture.....                          | 38              | 13.2                | 6.5  | ---- | 15.8    | 11.7 | ---- | 15.8     | 15.4 | ---- |
| Sepsis.....                                | 7               | 42.9                | 35.8 | ---- | 42.9    | 44.7 | ---- | 57.1     | 48.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 28              | 0.0                 | 2.4  | ---- | 7.1     | 3.2  | ---- | 7.1      | 4.0  | ---- |
| Coronary Artery Bypass Graft.....          | 72              | 4.2                 | 5.3  | 3.1  | 8.3     | 7.4  | 3.2  | 8.3      | 8.3  | 3.4  |
| Initial Pacemaker Insertion.....           | 37              | 2.7                 | 2.4  | ---- | 8.1     | 4.9  | ---- | 10.8     | 7.4  | ---- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.5  | ---- |
| Hip Replacement/Reconstruction.....        | 26              | 11.5                | 3.2  | ---- | 15.4    | 6.3  | ---- | 15.4     | 8.9  | ---- |
| Open Reduction of Hip Fracture.....        | 20              | 5.0                 | 7.1  | ---- | 5.0     | 12.7 | ---- | 5.0      | 16.7 | ---- |
| Prostatectomy.....                         | 24              | 0.0                 | 1.0  | ---- | 0.0     | 2.5  | ---- | 4.2      | 4.4  | ---- |
| Cholecystectomy.....                       | 40              | 0.0                 | 3.7  | ---- | 2.5     | 6.8  | ---- | 2.5      | 8.9  | ---- |
| Hysterectomy.....                          | 16              | 6.3                 | 1.1  | ---- | 6.3     | 2.4  | ---- | 6.3      | 3.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST MARYS HEALTH CENTER

Medicare Provider Number: 260011

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
Proportion female..... 57.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.5 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 10.0 %  
Admitted for emergency..... 58.3 %

### COMORBIDITIES:

Cancer..... 4.5 %  
Chronic cardiovascular disease..... 39.1 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 13.7 %  
Cerebrovascular degeneration..... 7.5 %  
Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 50.4%  
State ..... 47.7%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.8 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 142  
Occupancy Rate ..... 53.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.3 %  
Case Mix Index (CMI) ..... 1.5032

### STAFFING:

Total Number of Physicians..... 117  
Percent of Physicians Board  
Certified Specialists..... 74.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 105  
Licensed Practical Nurses..... 48

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS HEALTH CENTER

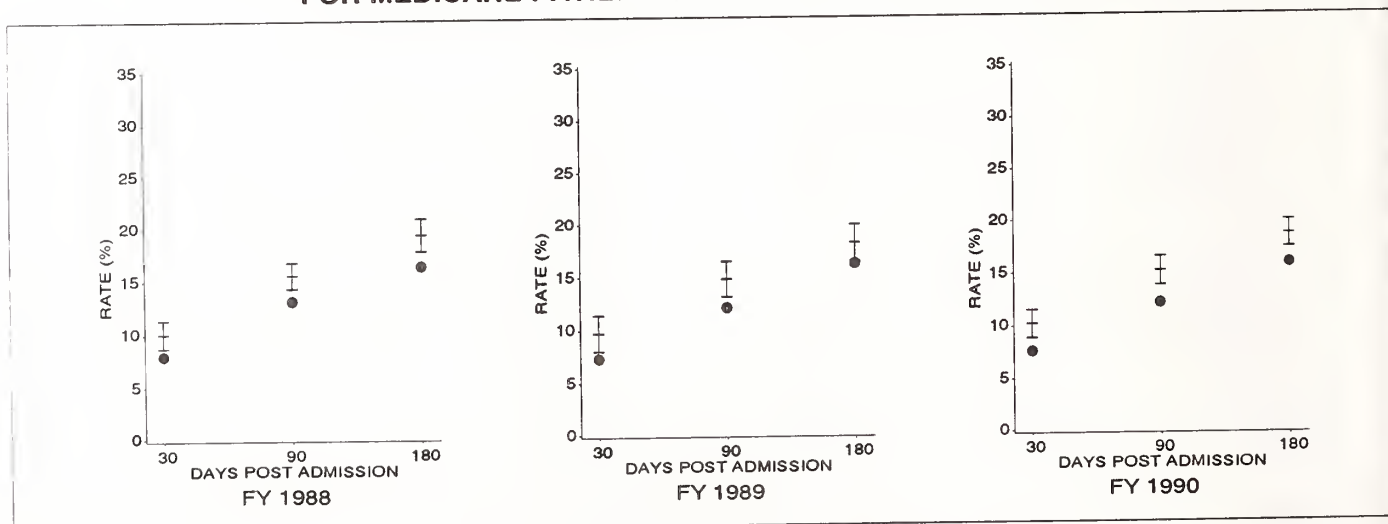
6420 CLAYTON RD  
RICHMOND HEIGHTS, MO 63117  
Medicare Provider Number: 260091

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4065            | 7.6                 | 10.2 | 0.7   | 12.2    | 15.2 | 0.7   | 15.9     | 18.7 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 117             | 25.6                | 32.2 | 8.2   | 29.1    | 35.2 | 8.4   | 31.6     | 37.9 | 7.8   |
| Congestive Heart Failure.....              | 220             | 12.7                | 15.2 | 3.3   | 24.1    | 24.1 | 3.0   | 29.1     | 30.2 | 3.5   |
| Pneumonia/Influenza.....                   | 176             | 14.8                | 16.9 | 4.1   | 21.0    | 22.8 | 3.5   | 26.1     | 26.6 | 3.3   |
| Chronic Obstructive Pulmonary Disease..... | 58              | 8.6                 | 7.6  | 4.5   | 13.8    | 13.6 | 5.1   | 19.0     | 18.0 | 5.6   |
| Transient Cerebral Ischemia.....           | 39              | 0.0                 | 1.7  | ----- | 0.0     | 3.8  | ----- | 2.6      | 6.0  | ----- |
| Stroke.....                                | 130             | 10.8                | 21.5 | 5.2   | 15.4    | 27.6 | 5.9   | 19.2     | 31.4 | 6.1   |
| Hip Fracture.....                          | 120             | 5.8                 | 6.2  | 2.7   | 9.2     | 10.9 | 3.4   | 11.7     | 14.1 | 3.8   |
| Sepsis.....                                | 52              | 26.9                | 22.6 | 7.2   | 32.7    | 29.8 | 8.3   | 40.4     | 34.2 | 9.2   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 110             | 2.7                 | 3.4  | 1.9   | 3.6     | 4.5  | 2.3   | 4.5      | 5.5  | 2.4   |
| Coronary Artery Bypass Graft.....          | 84              | 2.4                 | 6.4  | 5.1   | 4.8     | 8.9  | 6.5   | 4.8      | 9.8  | 6.6   |
| Initial Pacemaker Insertion.....           | 38              | 0.0                 | 2.8  | ----- | 0.0     | 5.7  | ----- | 7.9      | 8.4  | ----- |
| Carotid Endarterectomy.....                | 12              | 0.0                 | 1.9  | ----- | 0.0     | 3.7  | ----- | 0.0      | 5.5  | ----- |
| Hip Replacement/Reconstruction.....        | 84              | 1.2                 | 3.5  | 2.8   | 6.0     | 6.4  | 2.9   | 8.3      | 8.6  | 3.1   |
| Open Reduction of Hip Fracture.....        | 63              | 7.9                 | 6.0  | 3.6   | 7.9     | 10.9 | 4.8   | 9.5      | 14.3 | 5.9   |
| Prostatectomy.....                         | 111             | 0.0                 | 1.3  | 1.5   | 1.8     | 2.9  | 1.8   | 4.5      | 4.8  | 2.3   |
| Cholecystectomy.....                       | 97              | 5.2                 | 2.5  | 3.0   | 6.2     | 4.4  | 3.4   | 6.2      | 5.7  | 3.4   |
| Hysterectomy.....                          | 41              | 0.0                 | 0.8  | ----- | 2.4     | 1.9  | ----- | 2.4      | 2.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST MARYS HEALTH CENTER

Medicare Provider Number: 260091

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years  
Proportion female..... 60.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.1 %  
Transferred from skilled nursing facility..... 2.7 %  
Admitted for elective procedure..... 0.6 %  
Admitted for emergency..... 74.1 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 34.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 10.0 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 50.1%  
State ..... 40.6%  
Outside State ..... 9.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 432  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.1 %  
Case Mix Index (CMI) ..... 1.5088

### STAFFING:

Total Number of Physicians..... 309  
Percent of Physicians Board  
Certified Specialists ..... 76.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 348  
Licensed Practical Nurses ..... 109

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS HOSPITAL OF BLUE SPRINGS

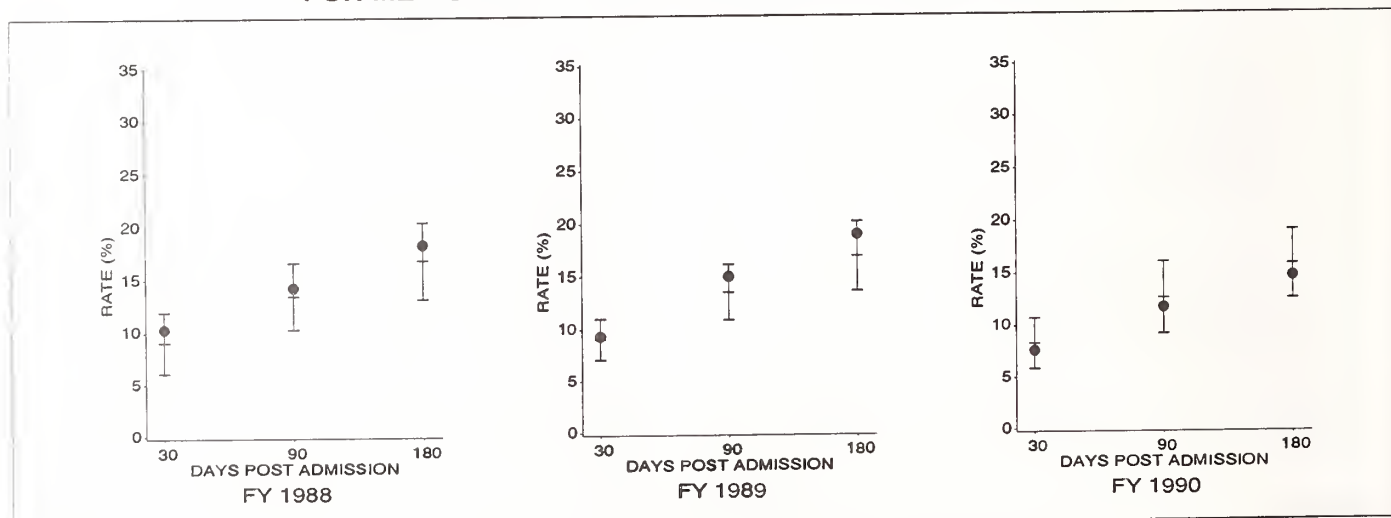
201 WEST R D MIZE RD  
BLUE SPRINGS, MO 64015  
Medicare Provider Number: 260193

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 907             | 7.6                 | 8.3  | 1.2  | 11.7    | 12.6 | 1.7  | 14.7     | 15.8 | 1.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 18              | 27.8                | 24.8 | ---- | 33.3    | 28.0 | ---- | 33.3     | 30.9 | ---- |
| Congestive Heart Failure.....              | 50              | 12.0                | 14.9 | ---- | 18.0    | 23.5 | ---- | 24.0     | 30.1 | ---- |
| Pneumonia/Influenza.....                   | 74              | 5.4                 | 14.3 | 6.7  | 16.2    | 19.7 | 6.3  | 18.9     | 23.4 | 5.6  |
| Chronic Obstructive Pulmonary Disease..... | 18              | 11.1                | 2.6  | ---- | 16.7    | 5.3  | ---- | 16.7     | 7.9  | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 1.3  | ---- | 0.0     | 3.0  | ---- | 0.0      | 4.9  | ---- |
| Stroke.....                                | 48              | 12.5                | 17.8 | ---- | 16.7    | 23.2 | ---- | 22.9     | 26.9 | ---- |
| Hip Fracture.....                          | 35              | 2.9                 | 6.0  | ---- | 5.7     | 11.2 | ---- | 11.4     | 15.1 | ---- |
| Sepsis.....                                | 10              | 30.0                | 15.0 | ---- | 30.0    | 22.1 | ---- | 40.0     | 26.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 9               | 0.0                 | 3.8  | ---- | 0.0     | 7.7  | ---- | 0.0      | 11.1 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 25              | 0.0                 | 3.0  | ---- | 0.0     | 5.5  | ---- | 0.0      | 7.6  | ---- |
| Open Reduction of Hip Fracture.....        | 13              | 0.0                 | 6.3  | ---- | 7.7     | 12.4 | ---- | 23.1     | 16.7 | ---- |
| Prostatectomy.....                         | 28              | 0.0                 | 0.8  | ---- | 0.0     | 1.9  | ---- | 7.1      | 3.2  | ---- |
| Cholecystectomy.....                       | 12              | 0.0                 | 4.0  | ---- | 16.7    | 5.4  | ---- | 16.7     | 6.5  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 1.6  | ---- | 0.0     | 3.6  | ---- | 0.0      | 5.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST MARYS HOSPITAL OF BLUE SPRINGS

Medicare Provider Number: 260193

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 35.3 %  
Admitted for emergency..... 48.7 %

### COMORBIDITIES:

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 28.3 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 18.1 %  
Cerebrovascular degeneration..... 8.4 %  
Diabetes mellitus..... 7.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.8%  
State ..... 29.3%  
Outside State ..... 2.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 130  
Occupancy Rate ..... 47.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.7 %  
Case Mix Index (CMI) ..... 1.2063

### STAFFING:

Total Number of Physicians..... 175  
Percent of Physicians Board  
Certified Specialists ..... 65.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 103  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST PETERS COMMUNITY HOSPITAL

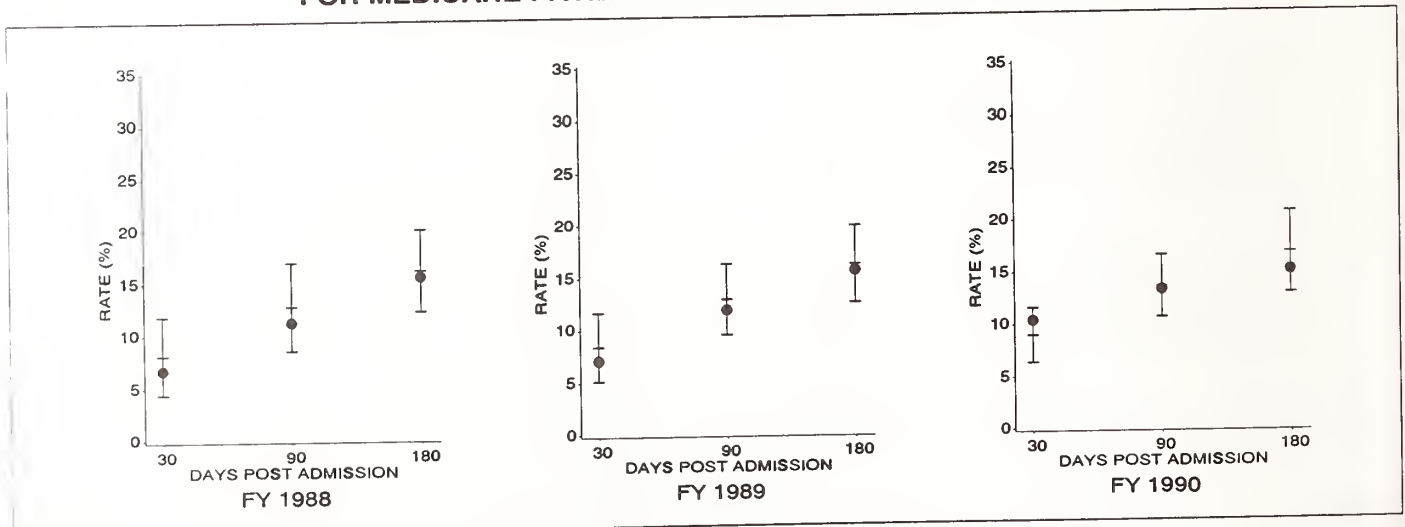
10 HOSPITAL DR  
SAINT PETERS, MO 63376  
Medicare Provider Number: 260191

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 549             | 10.4                | 9.0  | 1.3  | 13.3    | 13.6 | 1.5  | 15.1     | 16.8 | 2.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 12              | 25.0                | 29.8 | ---- | 25.0    | 32.5 | ---- | 33.3     | 35.5 | ---- |
| Congestive Heart Failure.....              | 28              | 25.0                | 14.7 | ---- | 28.6    | 23.7 | ---- | 35.7     | 30.3 | ---- |
| Pneumonia/Influenza.....                   | 41              | 19.5                | 18.0 | ---- | 24.4    | 24.7 | ---- | 26.8     | 28.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 12              | 16.7                | 5.6  | ---- | 16.7    | 10.1 | ---- | 16.7     | 14.0 | ---- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 1.6  | ---- | 0.0     | 3.4  | ---- | 0.0      | 5.1  | ---- |
| Stroke.....                                | 20              | 15.0                | 21.6 | ---- | 15.0    | 26.5 | ---- | 20.0     | 30.0 | ---- |
| Hip Fracture.....                          | 20              | 5.0                 | 7.5  | ---- | 5.0     | 13.5 | ---- | 10.0     | 17.5 | ---- |
| Sepsis.....                                | 3               | 33.3                | 13.5 | ---- | 33.3    | 23.3 | ---- | 33.3     | 29.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.5  | ---- | 0.0     | 3.1  | ---- | 0.0      | 5.1  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7               | 0.0                 | 3.0  | ---- | 0.0     | 5.5  | ---- | 0.0      | 7.4  | ---- |
| Open Reduction of Hip Fracture.....        | 15              | 6.7                 | 7.0  | ---- | 6.7     | 13.0 | ---- | 13.3     | 17.3 | ---- |
| Prostatectomy.....                         | 12              | 0.0                 | 1.0  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.5  | ---- |
| Cholecystectomy.....                       | 9               | 0.0                 | 3.5  | ---- | 0.0     | 5.7  | ---- | 0.0      | 6.8  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.0  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST PETERS COMMUNITY HOSPITAL

Medicare Provider Number: 260191

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.0 years  
Proportion female..... 59.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 13.8 %  
Admitted for emergency..... 52.8 %

### COMORBIDITIES:

Cancer..... 8.7 %  
Chronic cardiovascular disease..... 32.1 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 4.0 %  
Chronic pulmonary disease..... 18.6 %  
Cerebrovascular degeneration..... 6.9 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 71.7%  
State..... 22.7%  
Outside State..... 5.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.3 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 105  
Occupancy Rate..... 48.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges..... 23.3 %  
Case Mix Index (CMI)..... 1.2489

### STAFFING:

Total Number of Physicians..... 161  
Percent of Physicians Board  
Certified Specialists..... 80.1 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 85  
Licensed Practical Nurses..... 3

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST VINCENTS HOSPITAL

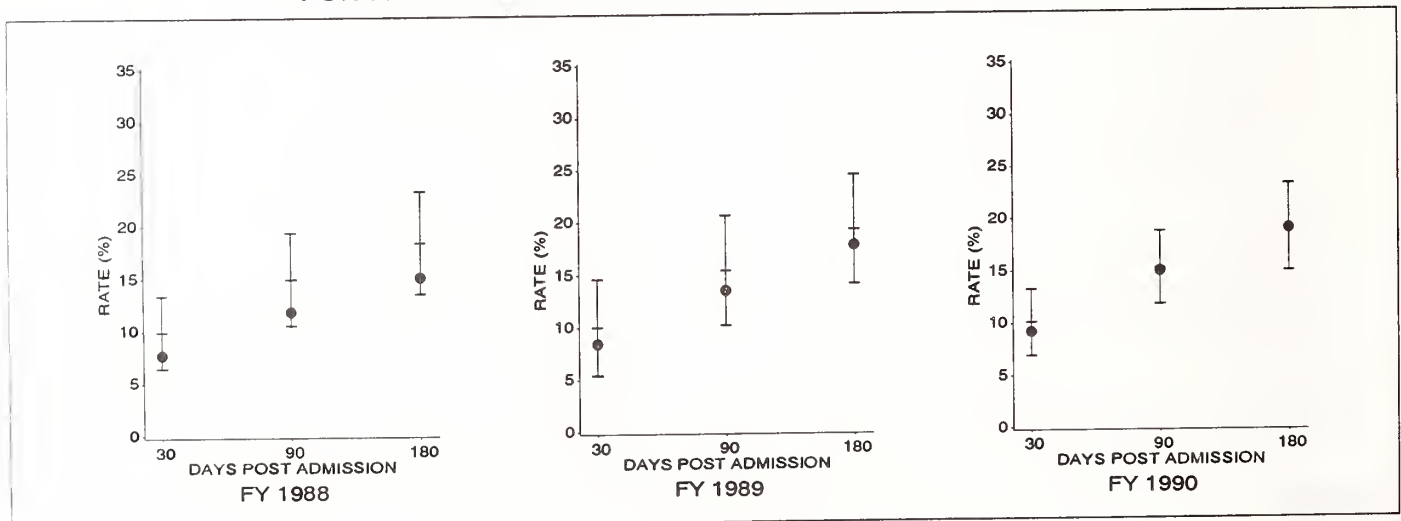
801 LINCOLN AVE  
MONETT, MO 65708  
Medicare Provider Number: 260012

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 520             | 9.2                 | 10.1 | 1.6   | 15.0    | 15.3 | 1.7   | 19.0     | 19.1 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 21.1                | 30.1 | ----- | 26.3    | 34.3 | ----- | 31.6     | 37.4 | ----- |
| Congestive Heart Failure.....              | 37              | 13.5                | 15.3 | ----- | 21.6    | 24.2 | ----- | 32.4     | 30.5 | ----- |
| Pneumonia/Influenza.....                   | 43              | 18.6                | 15.7 | ----- | 27.9    | 21.4 | ----- | 30.2     | 25.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 25              | 0.0                 | 8.6  | ----- | 12.0    | 15.0 | ----- | 12.0     | 19.6 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 6.3                 | 1.7  | ----- | 6.3     | 4.2  | ----- | 6.3      | 7.2  | ----- |
| Stroke.....                                | 20              | 40.0                | 21.8 | ----- | 45.0    | 28.8 | ----- | 50.0     | 32.7 | ----- |
| Hip Fracture.....                          | 5               | 0.0                 | 5.5  | ----- | 20.0    | 9.9  | ----- | 20.0     | 12.7 | ----- |
| Sepsis.....                                | 8               | 0.0                 | 29.1 | ----- | 25.0    | 41.2 | ----- | 37.5     | 47.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 4.2  | ----- | 0.0     | 7.9  | ----- | 0.0      | 10.2 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 5.7  | ----- | 33.3    | 10.5 | ----- | 33.3     | 13.6 | ----- |
| Prostatectomy.....                         | 6               | 0.0                 | 2.5  | ----- | 0.0     | 4.7  | ----- | 0.0      | 7.0  | ----- |
| Cholecystectomy.....                       | 7               | 0.0                 | 1.6  | ----- | 0.0     | 2.9  | ----- | 0.0      | 3.9  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST VINCENTS HOSPITAL

Medicare Provider Number: 260012

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.7 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 2.9 %  
Chronic cardiovascular disease..... 43.1 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 16.9 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 65.5%  
State ..... 32.2%  
Outside State ..... 2.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 53  
Occupancy Rate ..... 50.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 65.2 %  
Case Mix Index (CMI) ..... 1.0071

### STAFFING:

Total Number of Physicians..... 17  
Percent of Physicians Board  
Certified Specialists ..... 17.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 26  
Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# STE GENEVIEVE COUNTY MEMORIAL HOSPITAL

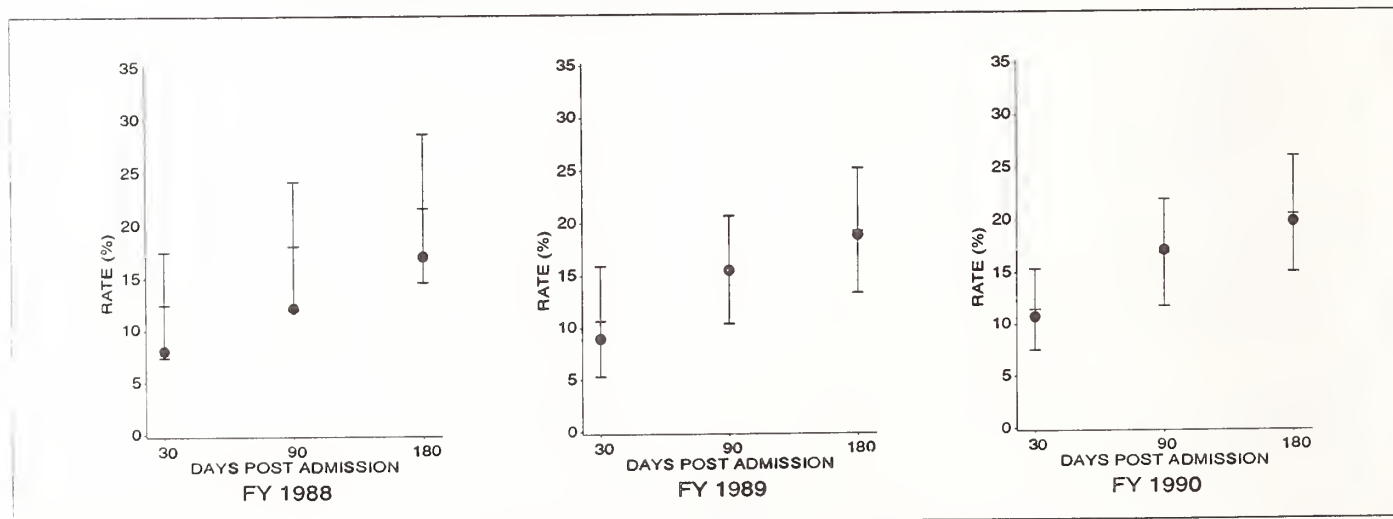
HIGHWAY 61 & 32  
STE GENEVIEVE, MO 63670  
Medicare Provider Number: 260164

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 298             | 10.7                | 11.4 | 2.0   | 17.1    | 16.8 | 2.6   | 19.8     | 20.5 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 50.0                | 31.3 | ----- | 50.0    | 33.7 | ----- | 50.0     | 36.4 | ----- |
| Congestive Heart Failure.....              | 26              | 3.8                 | 14.0 | ----- | 19.2    | 22.1 | ----- | 23.1     | 28.3 | ----- |
| Pneumonia/Influenza.....                   | 31              | 19.4                | 15.8 | ----- | 25.8    | 21.2 | ----- | 25.8     | 24.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 0.0                 | 6.3  | ----- | 0.0     | 10.8 | ----- | 0.0      | 14.2 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.9  | ----- | 40.0    | 4.6  | ----- | 40.0     | 7.9  | ----- |
| Stroke.....                                | 19              | 10.5                | 18.4 | ----- | 10.5    | 25.6 | ----- | 10.5     | 29.9 | ----- |
| Hip Fracture.....                          | 10              | 0.0                 | 8.4  | ----- | 10.0    | 14.6 | ----- | 10.0     | 18.9 | ----- |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 8.3  | ----- | 0.0     | 14.6 | ----- | 0.0      | 18.9 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 5.5  | ----- | 0.0     | 9.3  | ----- | 0.0      | 12.5 | ----- |
| Prostatectomy.....                         | 10              | 0.0                 | 0.8  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 10              | 0.0                 | 1.4  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# STE GENEVIEVE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260164

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 57.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.0 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 32.9 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 44.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.0 %  
Chronic pulmonary disease..... 12.1 %  
Cerebrovascular degeneration..... 8.4 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.6%  
State ..... 15.3%  
Outside State ..... 1.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 51  
Occupancy Rate ..... 21.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 54.8 %  
Case Mix Index (CMI) ..... 1.1017

### STAFFING:

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists ..... 60.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 23  
Licensed Practical Nurses ..... 2

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SULLIVAN COUNTY MEMORIAL HOSPITAL

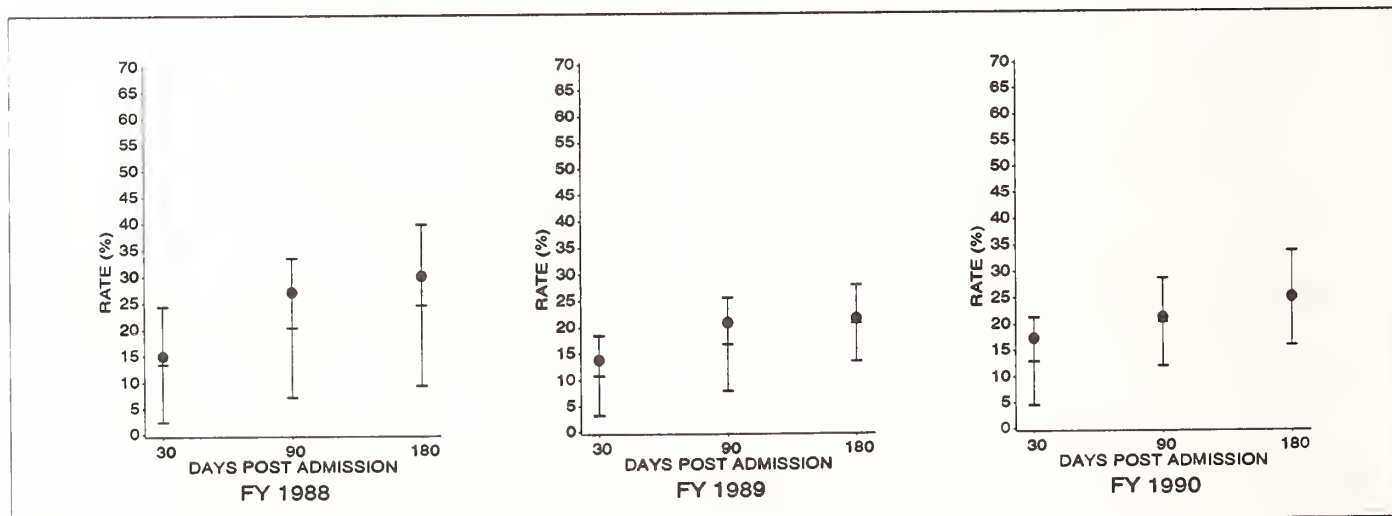
630 W 3RD ST  
MILAN, MO 63556  
Medicare Provider Number: 260143

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 104             | 17.3                | 12.9 | 4.2  | 21.2    | 20.3 | 4.2  | 25.0     | 24.8 | 4.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2               | 50.0                | 25.6 | ---- | 50.0    | 28.5 | ---- | 50.0     | 32.0 | ---- |
| Congestive Heart Failure.....              | 3               | 66.7                | 11.7 | ---- | 66.7    | 18.8 | ---- | 66.7     | 23.5 | ---- |
| Pneumonia/Influenza.....                   | 6               | 16.7                | 16.1 | ---- | 16.7    | 23.1 | ---- | 33.3     | 28.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 19.6 | ---- | 50.0    | 36.5 | ---- | 50.0     | 46.6 | ---- |
| Transient Cerebral Ischemia.....           | 2               | 50.0                | 10.5 | ---- | 50.0    | 25.6 | ---- | 50.0     | 39.4 | ---- |
| Stroke.....                                | 1               | 0.0                 | 18.1 | ---- | 0.0     | 30.6 | ---- | 0.0      | 36.8 | ---- |
| Hip Fracture.....                          | 1               | 0.0                 | 8.2  | ---- | 0.0     | 13.6 | ---- | 0.0      | 17.7 | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 1               | 0.0                 | 0.5  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.9  | ---- |
| Cholecystectomy.....                       | 1               | 0.0                 | 1.1  | ---- | 0.0     | 2.0  | ---- | 0.0      | 2.4  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SULLIVAN COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260143

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.8 years  
Proportion female..... 63.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.9 %

### COMORBIDITIES:

Cancer..... 6.7 %  
Chronic cardiovascular disease..... 46.7 %  
Chronic liver disease..... 1.9 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 26.7 %  
Cerebrovascular degeneration..... 10.5 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.3%  
State ..... 14.7%  
Outside State ..... 4.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 47  
Occupancy Rate ..... 47.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 63.7 %  
Case Mix Index (CMI) ..... 1.3214

### STAFFING:

Total Number of Physicians..... 13  
Percent of Physicians Board  
Certified Specialists ..... 53.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SWEET SPRINGS COMMUNITY HOSPITAL

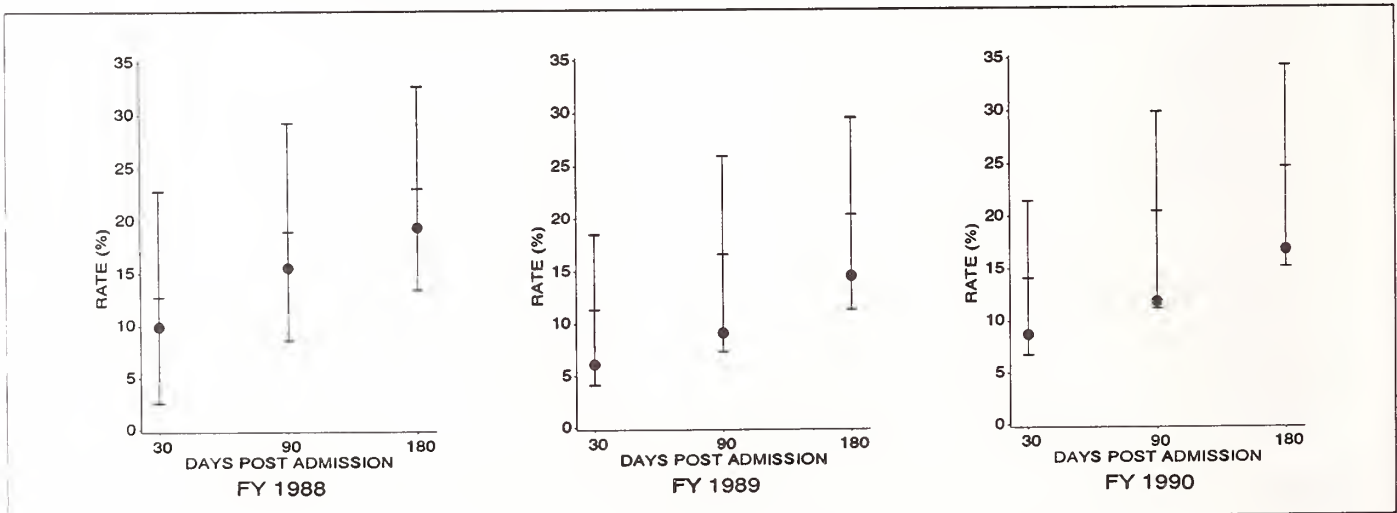
701 BRIDGE STREET, BOX 206  
SWEET SPRINGS, MO 65351  
Medicare Provider Number: 260026

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 161             | 8.7                 | 14.1 | 3.7  | 11.8    | 20.5 | 4.7  | 16.8     | 24.7 | 4.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 8               | 12.5                | 15.3 | ---- | 12.5    | 18.6 | ---- | 25.0     | 22.2 | ---- |
| Congestive Heart Failure.....              | 8               | 50.0                | 23.2 | ---- | 50.0    | 34.5 | ---- | 50.0     | 40.7 | ---- |
| Pneumonia/Influenza.....                   | 11              | 0.0                 | 21.4 | ---- | 0.0     | 28.5 | ---- | 0.0      | 33.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.8  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.5  | ---- |
| Stroke.....                                | 9               | 11.1                | 23.0 | ---- | 11.1    | 29.7 | ---- | 11.1     | 34.2 | ---- |
| Hip Fracture.....                          | 1               | 0.0                 | 3.2  | ---- | 0.0     | 6.6  | ---- | 0.0      | 10.8 | ---- |
| Sepsis.....                                | 5               | 40.0                | 39.7 | ---- | 60.0    | 54.1 | ---- | 80.0     | 61.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 1               | 0.0                 | 6.7  | ---- | 0.0     | 15.8 | ---- | 0.0      | 26.4 | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 1.1  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.5  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SWEET SPRINGS COMMUNITY HOSPITAL

Medicare Provider Number: 260026

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.6 years  
Proportion female..... 69.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.7 %  
Transferred from skilled nursing facility..... 9.3 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 40.4 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 52.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 11.2 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 43.9%  
State ..... 53.3%  
Outside State ..... 2.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 31  
Occupancy Rate ..... 19.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 57.0 %  
Case Mix Index (CMI) ..... 1.0104

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists ..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TEXAS COUNTY MEMORIAL HOSPITAL

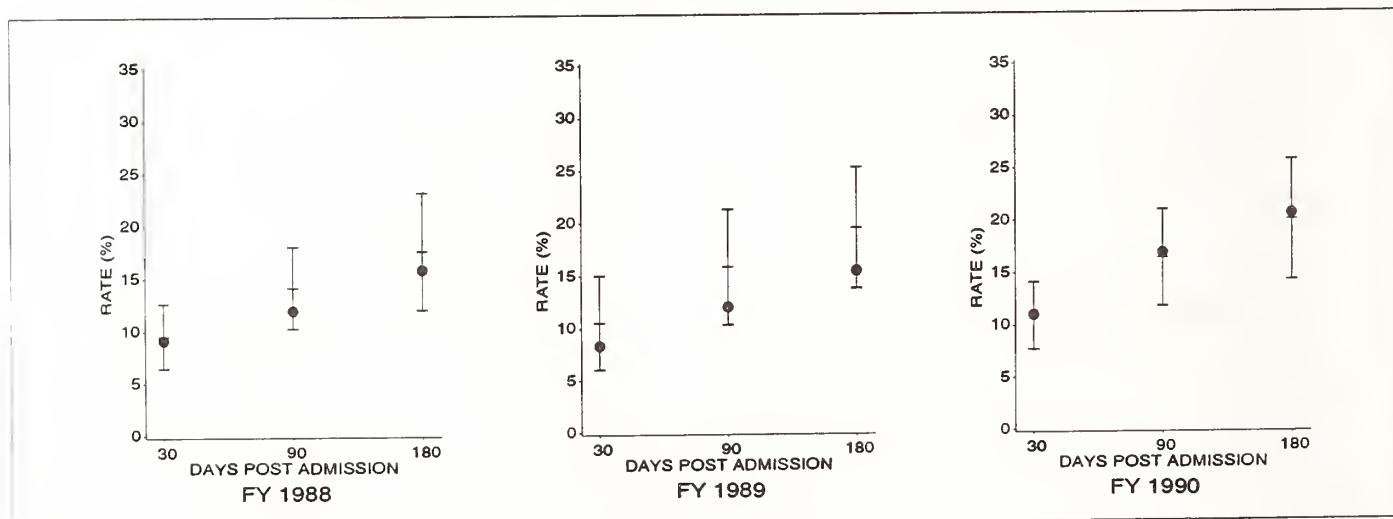
1333 HIGHWAY 63  
HOUSTON, MO 65483  
Medicare Provider Number: 260024

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 373                | 11.0                | 10.9 | 1.6   | 16.9    | 16.4 | 2.3   | 20.6     | 20.0 | 2.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3                  | 33.3                | 24.5 | ----- | 33.3    | 26.8 | ----- | 33.3     | 30.1 | ----- |
| Congestive Heart Failure.....              | 23                 | 13.0                | 14.6 | ----- | 26.1    | 22.7 | ----- | 26.1     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 59                 | 23.7                | 17.6 | 6.4   | 27.1    | 24.2 | 5.9   | 30.5     | 28.1 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 11                 | 18.2                | 15.4 | ----- | 18.2    | 27.6 | ----- | 18.2     | 35.2 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 2.6  | ----- | 0.0     | 5.6  | ----- | 0.0      | 8.4  | ----- |
| Stroke.....                                | 13                 | 7.7                 | 18.6 | ----- | 15.4    | 24.4 | ----- | 23.1     | 28.5 | ----- |
| Hip Fracture.....                          | 12                 | 8.3                 | 5.7  | ----- | 8.3     | 10.3 | ----- | 8.3      | 13.4 | ----- |
| Sepsis.....                                | 2                  | 100.0               | 43.4 | ----- | 100.0   | 54.0 | ----- | 100.0    | 57.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 2.5  | ----- | 0.0     | 4.2  | ----- | 0.0      | 6.5  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 4.0  | ----- | 0.0     | 7.7  | ----- | 0.0      | 10.8 | ----- |
| Open Reduction of Hip Fracture.....        | 5                  | 20.0                | 5.6  | ----- | 20.0    | 10.7 | ----- | 20.0     | 14.6 | ----- |
| Prostatectomy.....                         | 7                  | 0.0                 | 0.8  | ----- | 14.3    | 2.0  | ----- | 14.3     | 3.5  | ----- |
| Cholecystectomy.....                       | 13                 | 0.0                 | 3.8  | ----- | 0.0     | 6.9  | ----- | 7.7      | 8.9  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# TEXAS COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260024

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 60.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 48.5 %

### COMORBIDITIES:

Cancer..... 4.6 %  
Chronic cardiovascular disease..... 30.3 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 14.5 %  
Cerebrovascular degeneration..... 7.2 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.1 %  
State ..... 17.1 %  
Outside State ..... 0.8 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 53  
Occupancy Rate ..... 35.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 40.7 %  
Case Mix Index (CMI) ..... 1.1093

### STAFFING:

Total Number of Physicians..... 16  
Percent of Physicians Board  
Certified Specialists ..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 27  
Licensed Practical Nurses ..... 25

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRINITY LUTHERAN HOSPITAL

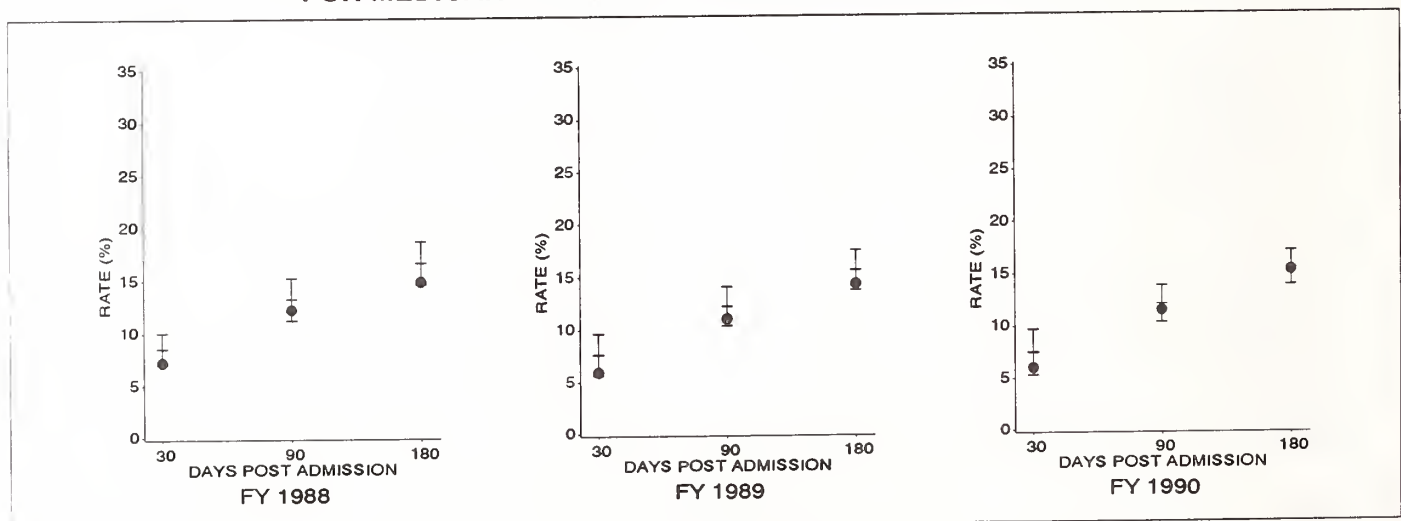
31ST & WYANDOTTE STS  
KANSAS CITY, MO 64108  
Medicare Provider Number: 260031

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2557            | 6.0                 | 7.5  | 1.1  | 11.5    | 12.1 | 0.9  | 15.3     | 15.5 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 63              | 17.5                | 24.9 | 10.8 | 23.8    | 28.2 | 10.7 | 23.8     | 30.9 | 10.6 |
| Congestive Heart Failure.....              | 123             | 11.4                | 14.3 | 5.0  | 18.7    | 23.0 | 5.5  | 27.6     | 29.5 | 4.5  |
| Pneumonia/Influenza.....                   | 84              | 14.3                | 14.6 | 3.9  | 21.4    | 20.3 | 5.1  | 28.6     | 24.2 | 5.8  |
| Chronic Obstructive Pulmonary Disease..... | 79              | 2.5                 | 5.0  | 3.4  | 6.3     | 9.6  | 4.1  | 13.9     | 13.7 | 3.9  |
| Transient Cerebral Ischemia.....           | 31              | 0.0                 | 1.2  | ---- | 3.2     | 2.8  | ---- | 3.2      | 4.4  | ---- |
| Stroke.....                                | 93              | 11.8                | 16.8 | 5.4  | 20.4    | 23.8 | 5.4  | 23.7     | 27.8 | 5.9  |
| Hip Fracture.....                          | 47              | 6.4                 | 6.3  | ---- | 10.6    | 11.2 | ---- | 14.9     | 14.4 | ---- |
| Sepsis.....                                | 28              | 17.9                | 25.7 | ---- | 32.1    | 36.3 | ---- | 39.3     | 42.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 46              | 2.2                 | 3.1  | ---- | 4.3     | 3.9  | ---- | 4.3      | 4.7  | ---- |
| Coronary Artery Bypass Graft.....          | 40              | 2.5                 | 5.3  | ---- | 5.0     | 7.5  | ---- | 5.0      | 8.5  | ---- |
| Initial Pacemaker Insertion.....           | 19              | 0.0                 | 3.4  | ---- | 0.0     | 6.8  | ---- | 10.5     | 10.2 | ---- |
| Carotid Endarterectomy.....                | 11              | 9.1                 | 0.6  | ---- | 9.1     | 1.2  | ---- | 9.1      | 2.0  | ---- |
| Hip Replacement/Reconstruction.....        | 35              | 8.6                 | 4.6  | ---- | 11.4    | 8.2  | ---- | 11.4     | 10.7 | ---- |
| Open Reduction of Hip Fracture.....        | 20              | 0.0                 | 5.0  | ---- | 0.0     | 9.7  | ---- | 5.0      | 13.1 | ---- |
| Prostatectomy.....                         | 77              | 0.0                 | 1.0  | 2.1  | 3.9     | 2.3  | 2.2  | 5.2      | 4.0  | 2.5  |
| Cholecystectomy.....                       | 52              | 5.8                 | 2.2  | 4.2  | 9.6     | 4.0  | 5.2  | 9.6      | 5.4  | 5.5  |
| Hysterectomy.....                          | 16              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TRINITY LUTHERAN HOSPITAL

Medicare Provider Number: 260031

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years  
Proportion female..... 59.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 56.6 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 45.1 %  
Admitted for emergency..... 38.0 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 31.7 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 17.1 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 11.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 60.0%  
State..... 17.5%  
Outside State..... 22.5%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.5 Days  
State..... 8.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 334  
Occupancy Rate..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 62.0 %  
Case Mix Index (CMI)..... 1.3178

### STAFFING:

Total Number of Physicians..... 201  
Percent of Physicians Board  
Certified Specialists..... 78.1 %  
Medical Residents/Interns..... 20  
Registered Nurses..... 309  
Licensed Practical Nurses..... 29

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRUMAN MEDICAL CENTER

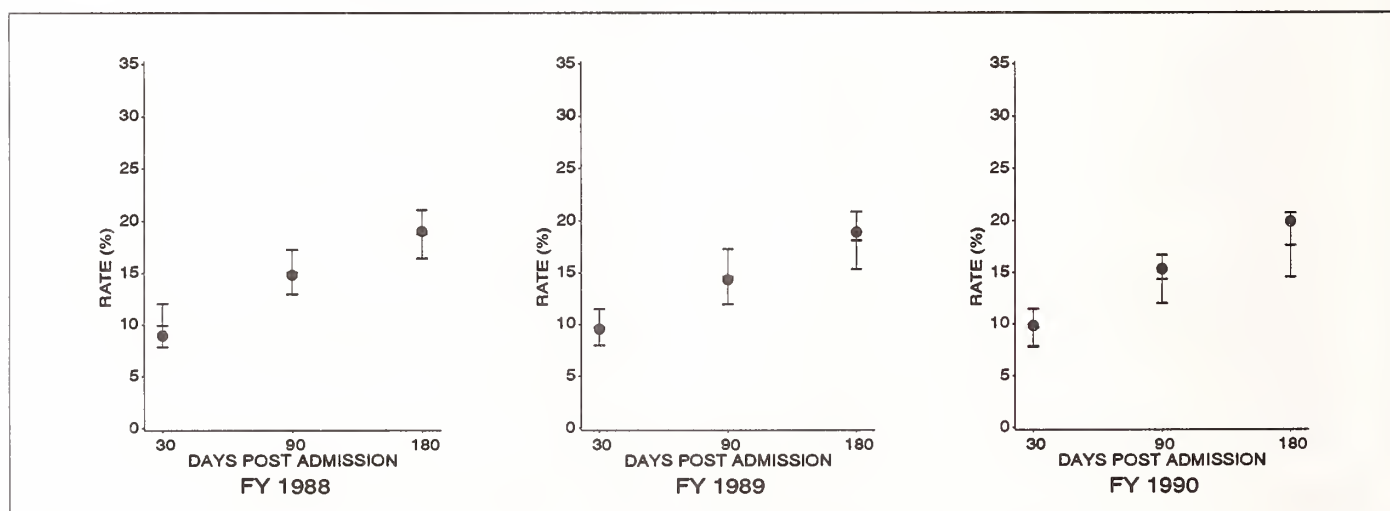
2301 HOLMES  
KANSAS CITY, MO 64108  
Medicare Provider Number: 260048

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1068            | 9.8                 | 9.6  | 0.9   | 15.3    | 14.3 | 1.2   | 19.9     | 17.6 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 29.6                | 18.4 | ----- | 33.3    | 21.2 | ----- | 33.3     | 23.7 | ----- |
| Congestive Heart Failure.....              | 86              | 8.1                 | 11.0 | 6.7   | 11.6    | 17.8 | 8.6   | 16.3     | 22.9 | 8.8   |
| Pneumonia/Influenza.....                   | 37              | 10.8                | 15.1 | ----- | 13.5    | 20.9 | ----- | 18.9     | 24.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 39              | 0.0                 | 5.9  | ----- | 5.1     | 10.6 | ----- | 15.4     | 14.2 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.7  | ----- |
| Stroke.....                                | 58              | 17.2                | 17.8 | 5.3   | 22.4    | 23.2 | 5.7   | 25.9     | 26.4 | 6.0   |
| Hip Fracture.....                          | 27              | 14.8                | 5.7  | ----- | 14.8    | 10.4 | ----- | 18.5     | 13.7 | ----- |
| Sepsis.....                                | 15              | 26.7                | 24.1 | ----- | 46.7    | 33.6 | ----- | 46.7     | 38.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 2.2  | ----- | 0.0     | 4.2  | ----- | 0.0      | 6.0  | ----- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 1.1  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.8  | ----- |
| Hip Replacement/Reconstruction.....        | 12              | 16.7                | 4.6  | ----- | 16.7    | 9.3  | ----- | 16.7     | 12.7 | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 21.4                | 5.3  | ----- | 21.4    | 9.7  | ----- | 28.6     | 12.9 | ----- |
| Prostatectomy.....                         | 18              | 0.0                 | 1.3  | ----- | 5.6     | 3.1  | ----- | 11.1     | 5.0  | ----- |
| Cholecystectomy.....                       | 12              | 16.7                | 4.2  | ----- | 25.0    | 7.5  | ----- | 25.0     | 9.8  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# TRUMAN MEDICAL CENTER

Medicare Provider Number: 260048

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 67.9 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 8.3 %  
Admitted for emergency..... 20.0 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 21.0 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 6.7 %  
Diabetes mellitus..... 11.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 93.5%  
State ..... 4.3%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 11.1 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 223  
Occupancy Rate ..... 88.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 14.9 %  
Case Mix Index (CMI) ..... 1.3175

### STAFFING:

Total Number of Physicians..... 338  
Percent of Physicians Board  
Certified Specialists ..... 72.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 181  
Licensed Practical Nurses..... 84

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRUMAN MEDICAL CENTER EAST

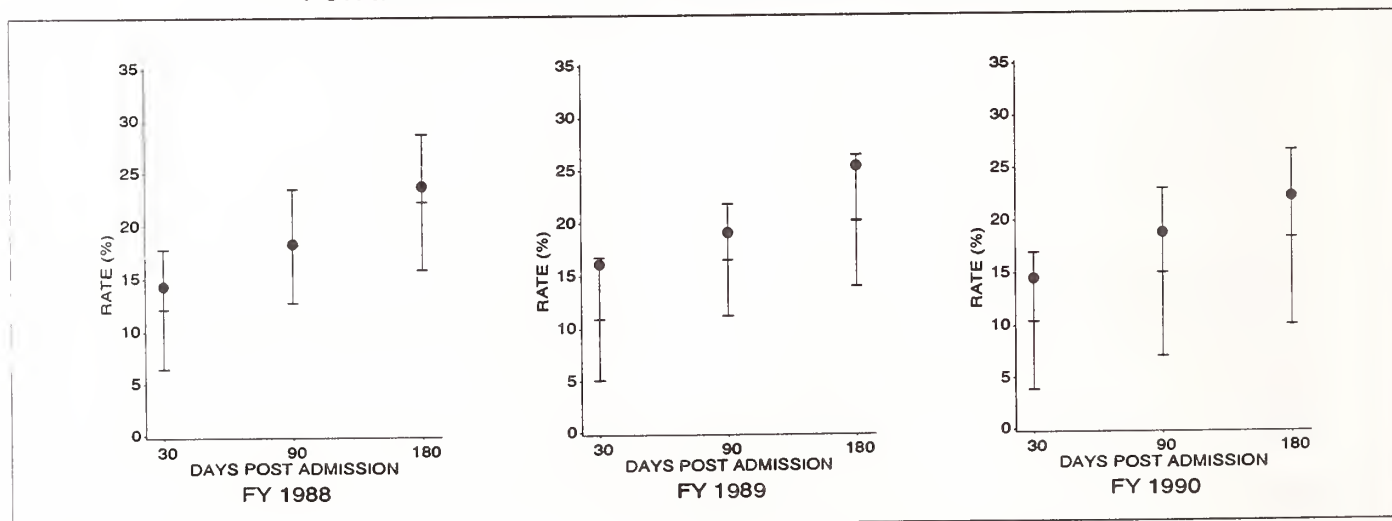
7900 LEES SUMMIT RD  
KANSAS CITY, MO 64139  
Medicare Provider Number: 260102

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 234             | 14.5                | 10.4 | 3.3   | 18.8    | 15.0 | 4.0   | 22.2     | 18.3 | 4.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 14.3                | 26.1 | ----- | 28.6    | 28.7 | ----- | 28.6     | 31.2 | ----- |
| Congestive Heart Failure.....              | 17              | 17.6                | 11.6 | ----- | 17.6    | 18.2 | ----- | 29.4     | 23.6 | ----- |
| Pneumonia/Influenza.....                   | 31              | 22.6                | 15.1 | ----- | 25.8    | 21.0 | ----- | 35.5     | 25.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 8.6  | ----- | 0.0     | 15.6 | ----- | 0.0      | 20.0 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 3.1  | ----- | 0.0     | 6.1  | ----- | 33.3     | 9.2  | ----- |
| Stroke.....                                | 2               | 50.0                | 16.9 | ----- | 50.0    | 22.0 | ----- | 50.0     | 26.0 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3               | 100.0               | 47.0 | ----- | 100.0   | 53.0 | ----- | 100.0    | 56.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2               | 0.0                 | 2.3  | ----- | 0.0     | 3.4  | ----- | 0.0      | 4.0  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TRUMAN MEDICAL CENTER EAST

Medicare Provider Number: 260102

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 70.5 years  
Proportion female..... 66.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 5.1 %  
Transferred from skilled nursing facility..... 1.7 %  
Admitted for elective procedure..... 2.1 %  
Admitted for emergency..... 88.9 %

### COMORBIDITIES:

Cancer..... 2.6 %  
Chronic cardiovascular disease..... 36.3 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 20.9 %  
Cerebrovascular degeneration..... 6.4 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 91.4%  
State ..... 6.7%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.2 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 297  
Occupancy Rate ..... 91.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 12.1 %  
Case Mix Index (CMI) ..... 1.0380

### STAFFING:

Total Number of Physicians..... 338  
Percent of Physicians Board  
Certified Specialists..... 72.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 94  
Licensed Practical Nurses..... 57

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# TWIN RIVERS REGIONAL MEDICAL CENTER

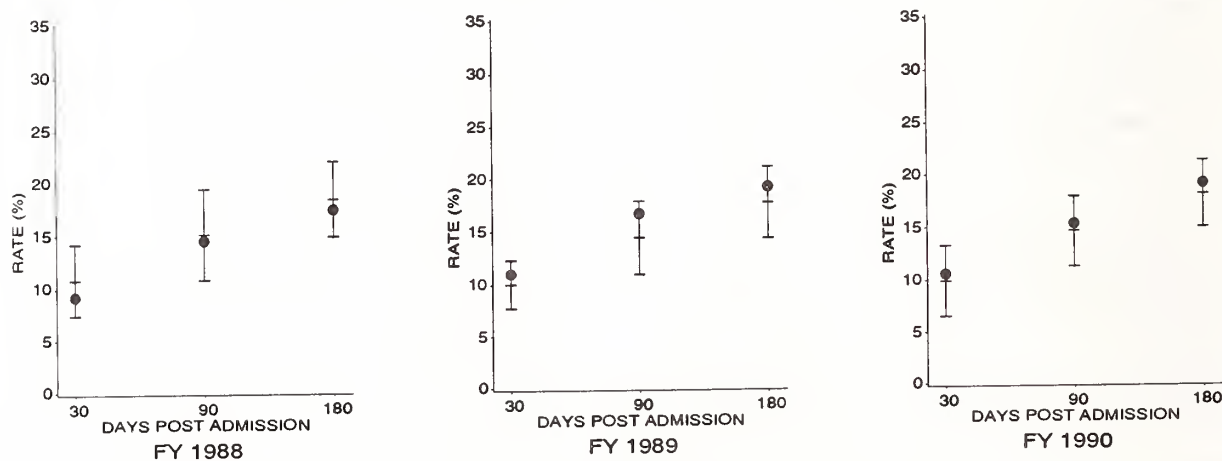
1301 FIRST ST  
KENNETT, MO 63857  
Medicare Provider Number: 260015

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 752             | 10.6                | 9.9  | 1.7   | 15.3    | 14.6 | 1.7   | 19.1     | 18.1 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 34              | 32.4                | 27.3 | ----- | 32.4    | 30.2 | ----- | 35.3     | 32.8 | ----- |
| Congestive Heart Failure.....              | 49              | 18.4                | 15.0 | ----- | 22.4    | 23.7 | ----- | 34.7     | 30.3 | ----- |
| Pneumonia/Influenza.....                   | 62              | 11.3                | 14.8 | 5.5   | 21.0    | 20.7 | 5.6   | 27.4     | 24.4 | 6.0   |
| Chronic Obstructive Pulmonary Disease..... | 42              | 0.0                 | 8.0  | ----- | 4.8     | 13.6 | ----- | 9.5      | 17.6 | ----- |
| Transient Cerebral Ischemia.....           | 14              | 0.0                 | 1.7  | ----- | 0.0     | 4.0  | ----- | 7.1      | 6.7  | ----- |
| Stroke.....                                | 25              | 28.0                | 16.7 | ----- | 28.0    | 22.0 | ----- | 28.0     | 25.6 | ----- |
| Hip Fracture.....                          | 7               | 14.3                | 5.8  | ----- | 14.3    | 10.6 | ----- | 14.3     | 13.4 | ----- |
| Sepsis.....                                | 9               | 66.7                | 32.5 | ----- | 66.7    | 40.7 | ----- | 77.8     | 45.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.7  | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 5.8  | ----- | 0.0     | 10.8 | ----- | 0.0      | 13.8 | ----- |
| Prostatectomy.....                         | 15              | 0.0                 | 1.0  | ----- | 0.0     | 2.6  | ----- | 6.7      | 4.7  | ----- |
| Cholecystectomy.....                       | 11              | 0.0                 | 3.3  | ----- | 0.0     | 6.1  | ----- | 0.0      | 7.8  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# TWIN RIVERS REGIONAL MEDICAL CENTER

Medicare Provider Number: 260015

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years  
Proportion female..... 61.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 29.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 39.8 %  
Admitted for emergency..... 56.3 %

### COMORBIDITIES:

Cancer..... 4.1 %  
Chronic cardiovascular disease..... 31.4 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 4.8 %  
Chronic pulmonary disease..... 19.0 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.9%  
State ..... 22.8%  
Outside State ..... 3.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 97  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 31.9 %  
Case Mix Index (CMI) ..... 1.0618

### STAFFING:

Total Number of Physicians..... 27  
Percent of Physicians Board  
Certified Specialists ..... 81.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 53  
Licensed Practical Nurses..... 35

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNIVERSITY OF MISSOURI HOSPITAL & CLINIC

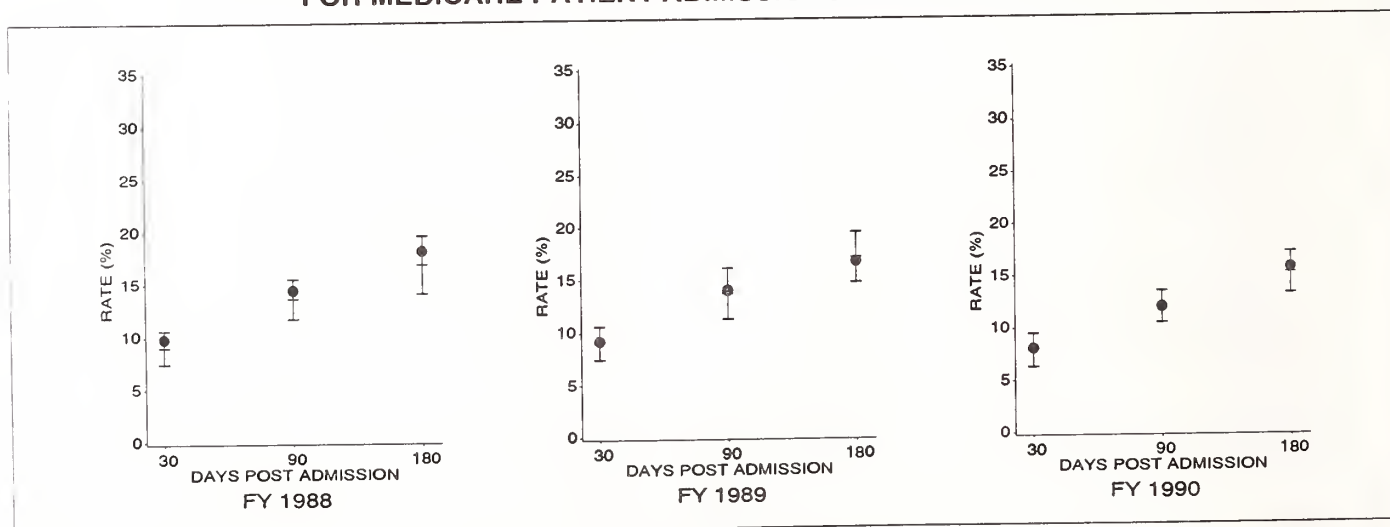
807 STADIUM RD  
COLUMBIA, MO 65201  
Medicare Provider Number: 260141

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1888            | 8.1                 | 7.9  | 0.8  | 12.0    | 12.0 | 0.8  | 15.7     | 15.2 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 61              | 18.0                | 25.9 | 9.0  | 19.7    | 28.8 | 9.7  | 23.0     | 31.3 | 9.8  |
| Congestive Heart Failure.....              | 50              | 20.0                | 13.7 | ---- | 26.0    | 22.2 | ---- | 42.0     | 28.4 | ---- |
| Pneumonia/Influenza.....                   | 44              | 15.9                | 12.8 | ---- | 15.9    | 17.2 | ---- | 20.5     | 20.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 22              | 13.6                | 11.5 | ---- | 22.7    | 19.7 | ---- | 22.7     | 25.0 | ---- |
| Transient Cerebral Ischemia.....           | 24              | 0.0                 | 1.7  | ---- | 4.2     | 4.2  | ---- | 4.2      | 6.8  | ---- |
| Stroke.....                                | 43              | 25.6                | 23.4 | ---- | 27.9    | 28.0 | ---- | 27.9     | 31.1 | ---- |
| Hip Fracture.....                          | 25              | 4.0                 | 6.8  | ---- | 16.0    | 11.8 | ---- | 16.0     | 15.2 | ---- |
| Sepsis.....                                | 7               | 28.6                | 29.0 | ---- | 71.4    | 38.6 | ---- | 85.7     | 44.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 58              | 6.9                 | 5.6  | 3.2  | 6.9     | 6.9  | 3.5  | 8.6      | 8.0  | 4.0  |
| Coronary Artery Bypass Graft.....          | 161             | 6.2                 | 5.1  | 2.0  | 8.7     | 7.3  | 2.5  | 10.6     | 8.3  | 3.0  |
| Initial Pacemaker Insertion.....           | 20              | 5.0                 | 3.4  | ---- | 5.0     | 6.1  | ---- | 5.0      | 8.4  | ---- |
| Carotid Endarterectomy.....                | 16              | 0.0                 | 1.9  | ---- | 0.0     | 3.5  | ---- | 0.0      | 4.9  | ---- |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 2.3  | ---- | 5.6     | 4.2  | ---- | 5.6      | 5.6  | ---- |
| Open Reduction of Hip Fracture.....        | 15              | 6.7                 | 4.3  | ---- | 20.0    | 8.1  | ---- | 20.0     | 11.0 | ---- |
| Prostatectomy.....                         | 34              | 0.0                 | 1.1  | ---- | 5.9     | 2.7  | ---- | 5.9      | 4.6  | ---- |
| Cholecystectomy.....                       | 27              | 3.7                 | 3.7  | ---- | 3.7     | 6.5  | ---- | 7.4      | 8.4  | ---- |
| Hysterectomy.....                          | 19              | 5.3                 | 0.7  | ---- | 5.3     | 1.6  | ---- | 5.3      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNIVERSITY OF MISSOURI HOSPITAL & CLINIC

Medicare Provider Number: 260141

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 66.9 years |
| Proportion female.....        | 45.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 54.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 27.4 % |
| Admitted for emergency.....                    | 43.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.4 %  |
| Chronic cardiovascular disease..... | 32.2 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 7.9 %  |
| Chronic pulmonary disease.....      | 11.5 % |
| Cerebrovascular degeneration.....   | 4.4 %  |
| Diabetes mellitus.....              | 8.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 18.5%  |
| State .....         | 77.3%  |
| Outside State ..... | 4.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.7 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 404              |
| Occupancy Rate .....       | 70.0 %           |
| Ownership/Control.....     | State Government |
| Medicare Discharges .....  | 24.2 %           |
| Case Mix Index (CMI) ..... | 1.7796           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 219    |
| Percent of Physicians Board<br>Certified Specialists ..... | 86.8 % |
| Medical Residents/Interns .....                            | 201    |
| Registered Nurses.....                                     | 588    |
| Licensed Practical Nurses .....                            | 157    |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | Yes |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# US ARMY HOSPITAL

FORT LEONARD WOOD, MO 65473  
Medicare Provider Number: 26002F

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1                  | 0.0                 | 24.9 | ---- | 0.0     | 30.4 | ---- | 0.0      | 34.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 0                  |                     |      |      |         |      |      |          |      |      |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# US ARMY HOSPITAL

Medicare Provider Number: 26002F

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 61.0 years  
Proportion female..... 0.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 100.0%  
State ..... 0.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 0.0 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year Unknown

### PROFILE:

Total Beds ..... 300  
Ownership/Control..... (Not Available)  
Case Mix Index (CMI) ..... 0.0000

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 0  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Coronary Care Unit ..... Yes  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... N/A

\*\* Except for CMI

\* Not used in calculating mortality rates

**VA HOSPITAL**  
 915 N GRAND BLVD  
 ST LOUIS, MO 63106  
 Medicare Provider Number: 26009F

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 13                 | 0.0                 | 3.1  | ---- | 0.0     | 4.9  | ---- | 7.7      | 6.6  | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 1                  | 0.0                 | 3.4  | ---- | 0.0     | 4.3  | ---- | 0.0      | 5.1  | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

No Graphs are presented when the standard deviation  
 was not computed for one or more of the three fiscal years,  
 (1988, 1989, or 1990)

**VA HOSPITAL**  
Medicare Provider Number: 26009F

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 36.5 years | Cancer.....                         | 0.0 %  |
| Proportion female.....                         | 38.5 %     | Chronic cardiovascular disease..... | 0.0 %  |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.0 %  |
| Referred by personal or HMO physician.....     | 0.0 %      | Chronic renal disease.....          | 46.2 % |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 7.7 %  |
| Admitted for emergency.....                    | 0.0 %      | Diabetes mellitus.....              | 38.5 % |

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 36.4%  | Hospital .....                          | 6.2 Days |
| State .....                                  | 45.4%  | State .....                             | 8.4 Days |
| Outside State .....                          | 18.2%  | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

**HOSPITAL CHARACTERISTICS\***

|                                                                    |                    |                                                 |     |
|--------------------------------------------------------------------|--------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990 |                    |                                                 |     |
| <b>PROFILE:</b>                                                    |                    | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 712                | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 87.0 %             | Cardiac Intensive Care .....                    | Yes |
| Ownership/Control.....                                             | Federal Government | Comprehensive Geriatric .....                   | Yes |
| Medicare Discharges .....                                          | (Not Available)    | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.1546             | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                    | Organ/Tissue Transplant .....                   | Yes |
| Total Number of Physicians.....                                    | 138                | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 71.7 %             | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 212                | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses .....                                            | 338                | Alcohol/Drug .....                              | Yes |
| Licensed Practical Nurses .....                                    | 104                | Rehabilitation.....                             | No  |
|                                                                    |                    | Psychiatric .....                               | Yes |
|                                                                    |                    | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# WASHINGTON COUNTY MEMORIAL HOSPITAL

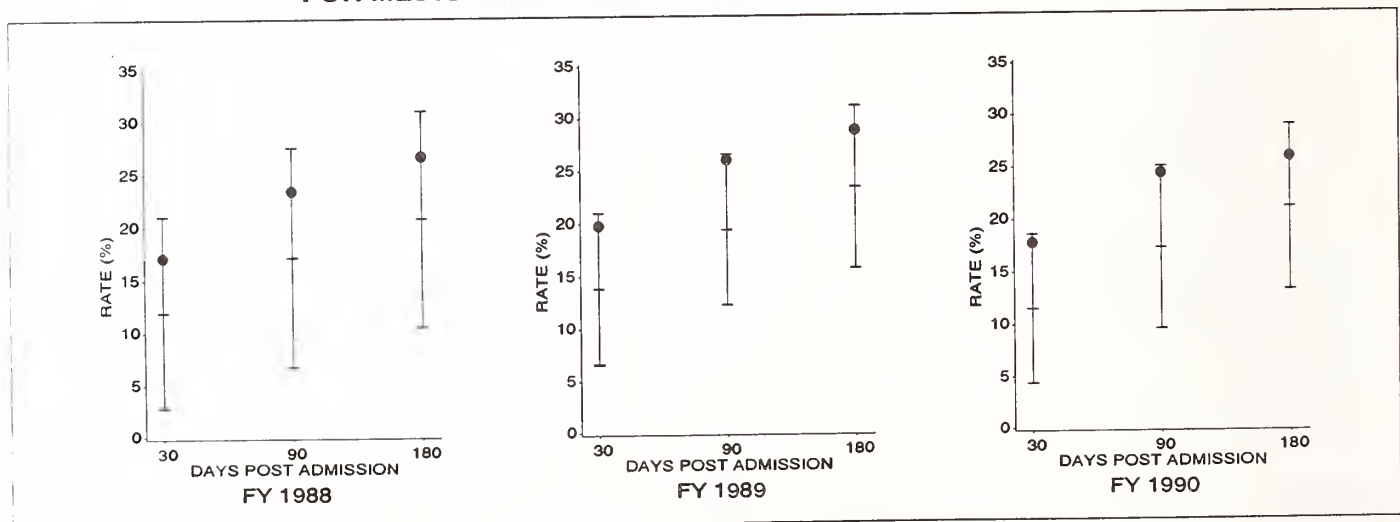
300 HENRY BUB DR  
POTOSI, MO 63664  
Medicare Provider Number: 260039

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 197             | 17.8                | 11.5 | 3.6   | 24.4    | 17.3 | 3.9   | 25.9     | 21.1 | 3.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 25.0                | 18.8 | ----- | 25.0    | 22.0 | ----- | 25.0     | 24.5 | ----- |
| Congestive Heart Failure.....              | 21              | 23.8                | 13.9 | ----- | 38.1    | 22.6 | ----- | 42.9     | 29.3 | ----- |
| Pneumonia/Influenza.....                   | 48              | 25.0                | 14.3 | ----- | 31.2    | 19.5 | ----- | 31.2     | 23.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 7.7  | ----- | 0.0     | 14.7 | ----- | 0.0      | 19.0 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.2  | ----- |
| Stroke.....                                | 10              | 60.0                | 13.9 | ----- | 60.0    | 19.8 | ----- | 60.0     | 23.2 | ----- |
| Hip Fracture.....                          | 8               | 0.0                 | 7.3  | ----- | 12.5    | 12.6 | ----- | 25.0     | 16.3 | ----- |
| Sepsis.....                                | 1               | 0.0                 | 11.3 | ----- | 0.0     | 15.9 | ----- | 0.0      | 18.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 7.8  | ----- | 0.0     | 14.7 | ----- | 0.0      | 18.2 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 10.3 | ----- | 33.3    | 16.9 | ----- | 66.7     | 21.9 | ----- |
| Prostatectomy.....                         | 4               | 0.0                 | 2.4  | ----- | 0.0     | 5.8  | ----- | 0.0      | 9.7  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.3  | ----- | 0.0     | 2.3  | ----- | 0.0      | 2.9  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WASHINGTON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 260039

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 51.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.5 %  
Admitted for emergency..... 98.5 %

### COMORBIDITIES:

Cancer..... 4.6 %  
Chronic cardiovascular disease..... 28.9 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 12.7 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 13.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.5 %  
State ..... 17.8 %  
Outside State ..... 0.7 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
State ..... 8.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 42  
Occupancy Rate ..... 26.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 54.5 %  
Case Mix Index (CMI) ..... 1.3546

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 12  
Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WESTERN MISSOURI MEDICAL CENTER

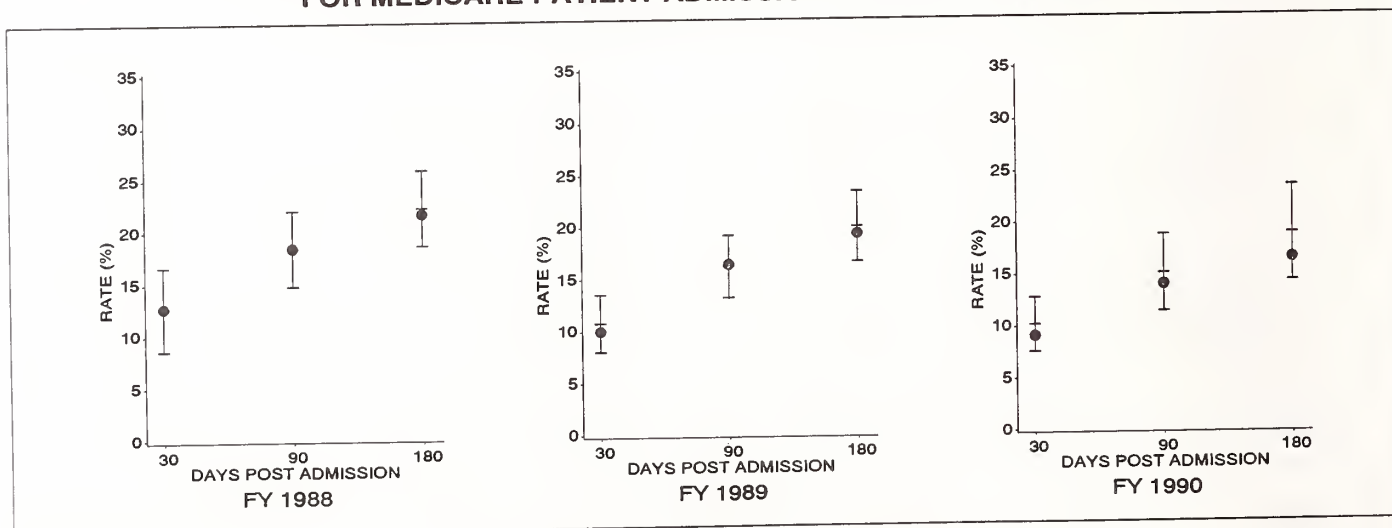
BURKARTH RD & E GAY ST  
WARRENSBURG, MO 64093  
Medicare Provider Number: 260097

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 757             | 9.1                 | 10.2 | 1.3   | 14.0    | 15.1 | 1.9   | 16.5     | 18.9 | 2.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 28              | 21.4                | 28.4 | ----- | 28.6    | 31.1 | ----- | 32.1     | 34.0 | ----- |
| Congestive Heart Failure.....              | 55              | 18.2                | 13.5 | 7.3   | 21.8    | 21.3 | 6.3   | 25.5     | 27.5 | 6.4   |
| Pneumonia/Influenza.....                   | 65              | 16.9                | 17.1 | 4.9   | 23.1    | 23.8 | 6.2   | 26.2     | 28.3 | 5.8   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 5.9                 | 8.6  | ----- | 11.8    | 15.5 | ----- | 11.8     | 20.9 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.8  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.4  | ----- |
| Stroke.....                                | 17              | 35.3                | 27.5 | ----- | 47.1    | 33.7 | ----- | 47.1     | 37.8 | ----- |
| Hip Fracture.....                          | 30              | 0.0                 | 7.4  | ----- | 6.7     | 13.1 | ----- | 6.7      | 16.9 | ----- |
| Sepsis.....                                | 9               | 11.1                | 19.4 | ----- | 22.2    | 24.5 | ----- | 33.3     | 28.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 6.6  | ----- | 0.0     | 13.3 | ----- | 0.0      | 18.8 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 14              | 0.0                 | 6.2  | ----- | 7.1     | 11.3 | ----- | 7.1      | 14.8 | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 0.0                 | 6.9  | ----- | 7.1     | 12.6 | ----- | 7.1      | 16.5 | ----- |
| Prostatectomy.....                         | 12              | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.8  | ----- |
| Cholecystectomy.....                       | 14              | 0.0                 | 3.3  | ----- | 0.0     | 6.1  | ----- | 0.0      | 8.0  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WESTERN MISSOURI MEDICAL CENTER

Medicare Provider Number: 260097

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.2 years |
| Proportion female.....        | 65.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 98.9 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 97.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.7 %  |
| Chronic cardiovascular disease..... | 42.5 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 1.1 %  |
| Chronic pulmonary disease.....      | 11.2 % |
| Cerebrovascular degeneration.....   | 5.3 %  |
| Diabetes mellitus.....              | 8.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 68.4%  |
| State .....         | 28.7%  |
| Outside State ..... | 2.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.2 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 75               |
| Occupancy Rate .....       | 53.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 51.4 %           |
| Case Mix Index (CMI) ..... | 1.1612           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 26     |
| Percent of Physicians Board<br>Certified Specialists ..... | 46.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 67     |
| Licensed Practical Nurses .....                            | 18     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation .....      | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# WRIGHT MEMORIAL HOSPITAL

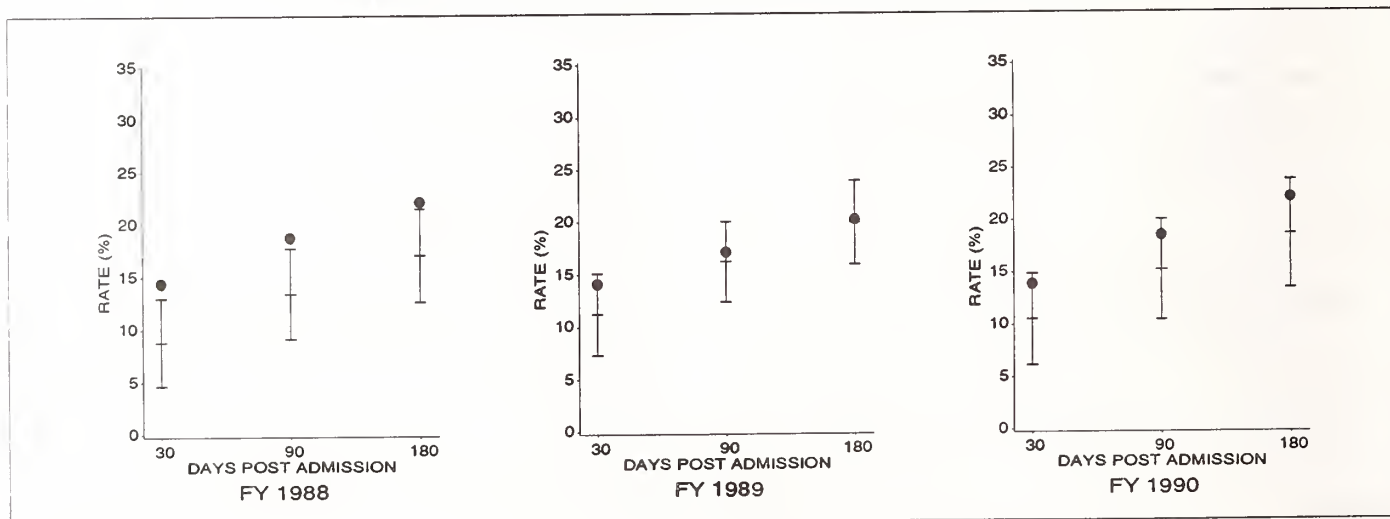
701 E FIRST  
TRENTON, MO 64683  
Medicare Provider Number: 260055

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 417             | 13.9                | 10.5 | 2.2  | 18.5    | 15.2 | 2.4  | 22.1     | 18.6 | 2.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 27              | 25.9                | 24.7 | ---- | 25.9    | 27.5 | ---- | 33.3     | 30.2 | ---- |
| Congestive Heart Failure.....              | 30              | 23.3                | 15.4 | ---- | 33.3    | 24.4 | ---- | 36.7     | 31.3 | ---- |
| Pneumonia/Influenza.....                   | 33              | 18.2                | 13.9 | ---- | 27.3    | 19.4 | ---- | 27.3     | 23.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 6.4  | ---- | 0.0     | 12.0 | ---- | 11.1     | 16.1 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 2.0  | ---- | 0.0     | 4.8  | ---- | 0.0      | 7.7  | ---- |
| Stroke.....                                | 42              | 28.6                | 19.5 | ---- | 31.0    | 25.5 | ---- | 38.1     | 29.5 | ---- |
| Hip Fracture.....                          | 25              | 16.0                | 7.2  | ---- | 24.0    | 12.3 | ---- | 32.0     | 15.9 | ---- |
| Sepsis.....                                | 4               | 25.0                | 27.3 | ---- | 50.0    | 38.7 | ---- | 50.0     | 44.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 3.1  | ---- | 5.6     | 6.1  | ---- | 11.1     | 8.4  | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 11.1                | 5.9  | ---- | 11.1    | 10.8 | ---- | 22.2     | 14.6 | ---- |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 7               | 0.0                 | 2.1  | ---- | 0.0     | 3.5  | ---- | 14.3     | 4.4  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WRIGHT MEMORIAL HOSPITAL

Medicare Provider Number: 260055

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.1 years |
| Proportion female.....        | 61.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 59.2 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 51.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.0 %  |
| Chronic cardiovascular disease..... | 31.2 % |
| Chronic liver disease.....          | 0.2 %  |
| Chronic renal disease.....          | 4.3 %  |
| Chronic pulmonary disease.....      | 15.8 % |
| Cerebrovascular degeneration.....   | 6.7 %  |
| Diabetes mellitus.....              | 6.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 67.2%  |
| State .....         | 31.1%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.2 Days |
| State .....    | 8.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 53                  |
| Occupancy Rate .....       | 39.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 55.9 %              |
| Case Mix Index (CMI) ..... | 1.1407              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 4      |
| Percent of Physicians Board<br>Certified Specialists ..... | 75.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 20     |
| Licensed Practical Nurses .....                            | 13     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation .....      | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MISSOURI

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|--------------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                    | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                    | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 172,695            | 9.1                 | 9.3  | 0.1 | 13.9    | 14.1 | 0.1 | 17.2     | 17.6 | 0.1 |
| CONDITIONS:                                |                    |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 5,571              | 25.1                | 26.6 | 1.0 | 29.7    | 29.7 | 1.5 | 31.6     | 32.4 | 1.1 |
| Congestive Heart Failure.....              | 9,066              | 14.8                | 14.7 | 0.4 | 22.8    | 23.3 | 0.5 | 28.8     | 29.5 | 0.5 |
| Pneumonia/Influenza.....                   | 10,199             | 14.7                | 15.4 | 0.5 | 20.5    | 21.3 | 0.6 | 24.4     | 25.1 | 0.7 |
| Chronic Obstructive Pulmonary Disease..... | 3,236              | 6.9                 | 7.7  | 0.7 | 12.5    | 13.5 | 1.0 | 17.0     | 17.9 | 1.2 |
| Transient Cerebral Ischemia.....           | 2,452              | 2.0                 | 1.8  | 0.3 | 4.5     | 4.0  | 0.6 | 6.4      | 6.6  | 0.5 |
| Stroke.....                                | 6,532              | 18.0                | 19.8 | 0.7 | 23.9    | 26.0 | 0.8 | 27.6     | 29.8 | 0.8 |
| Hip Fracture.....                          | 4,891              | 6.5                 | 6.5  | 0.6 | 11.2    | 11.5 | 0.9 | 13.6     | 15.1 | 0.9 |
| Sepsis.....                                | 1,931              | 23.0                | 24.4 | 1.2 | 31.0    | 32.5 | 1.5 | 36.4     | 37.3 | 2.1 |
| PROCEDURES:                                |                    |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 2,757              | 3.9                 | 3.6  | 0.4 | 5.4     | 4.6  | 0.6 | 6.2      | 5.5  | 0.6 |
| Coronary Artery Bypass Graft.....          | 2,815              | 6.4                 | 6.1  | 0.5 | 8.9     | 8.6  | 0.6 | 10.2     | 9.7  | 0.8 |
| Initial Pacemaker Insertion.....           | 1,351              | 2.1                 | 3.3  | 0.8 | 5.2     | 6.4  | 1.0 | 7.7      | 9.2  | 1.2 |
| Carotid Endarterectomy.....                | 870                | 1.6                 | 1.6  | 0.5 | 3.0     | 2.9  | 0.6 | 4.1      | 4.2  | 0.7 |
| Hip Replacement/Reconstruction.....        | 3,430              | 3.3                 | 3.5  | 0.4 | 6.0     | 6.5  | 0.7 | 7.7      | 8.8  | 0.8 |
| Open Reduction of Hip Fracture.....        | 2,336              | 6.4                 | 6.0  | 0.6 | 11.7    | 11.0 | 0.9 | 14.5     | 14.7 | 1.0 |
| Prostatectomy.....                         | 5,227              | 0.9                 | 1.1  | 0.2 | 2.4     | 2.5  | 0.2 | 4.0      | 4.2  | 0.3 |
| Cholecystectomy.....                       | 3,251              | 3.4                 | 2.7  | 0.7 | 5.5     | 5.0  | 0.7 | 6.8      | 6.7  | 0.7 |
| Hysterectomy.....                          | 1,510              | 0.9                 | 0.8  | 0.6 | 1.8     | 1.8  | 0.9 | 2.6      | 2.8  | 1.1 |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.7 years  
Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.2 %  
Transferred from skilled nursing facility..... 2.1 %  
Admitted for elective procedure..... 20.8 %  
Admitted for emergency..... 44.8 %

### COMORBIDITIES:

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 35.5 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.3 %  
Chronic pulmonary disease..... 14.5 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 7.5 %

# ALL STATES

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 6,542,299          | 9.0                 | 9.0  | ---- | 13.9    | 13.7 | ---- | 17.3     | 17.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 204,673            | 25.3                | 25.6 | ---- | 29.5    | 28.7 | ---- | 32.1     | 31.4 | ---- |
| Congestive Heart Failure.....              | 335,426            | 14.3                | 14.4 | ---- | 22.9    | 22.8 | ---- | 29.2     | 29.0 | ---- |
| Pneumonia/Influenza.....                   | 313,303            | 15.3                | 15.5 | ---- | 21.5    | 21.3 | ---- | 25.5     | 25.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 107,387            | 8.0                 | 8.0  | ---- | 14.1    | 14.0 | ---- | 18.7     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 96,866             | 1.8                 | 1.8  | ---- | 4.0     | 4.0  | ---- | 6.4      | 6.5  | ---- |
| Stroke.....                                | 241,803            | 19.7                | 19.8 | ---- | 26.5    | 26.3 | ---- | 30.4     | 30.0 | ---- |
| Hip Fracture.....                          | 163,386            | 6.7                 | 6.5  | ---- | 11.7    | 11.5 | ---- | 15.1     | 15.0 | ---- |
| Sepsis.....                                | 80,999             | 25.6                | 25.7 | ---- | 34.6    | 33.8 | ---- | 39.8     | 38.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 58,026             | 3.0                 | 3.0  | ---- | 4.0     | 4.0  | ---- | 5.0      | 4.9  | ---- |
| Coronary Artery Bypass Graft.....          | 80,798             | 6.0                 | 5.7  | ---- | 8.3     | 8.1  | ---- | 9.5      | 9.2  | ---- |
| Initial Pacemaker Insertion.....           | 49,642             | 3.2                 | 3.3  | ---- | 6.5     | 6.3  | ---- | 9.1      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 29,990             | 1.6                 | 1.5  | ---- | 2.8     | 2.8  | ---- | 4.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 122,156            | 3.4                 | 3.2  | ---- | 6.2     | 5.9  | ---- | 8.1      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 80,075             | 6.1                 | 6.0  | ---- | 11.2    | 11.0 | ---- | 14.5     | 14.5 | ---- |
| Prostatectomy.....                         | 211,087            | 0.9                 | 1.0  | ---- | 2.2     | 2.3  | ---- | 3.7      | 3.8  | ---- |
| Cholecystectomy.....                       | 124,259            | 2.9                 | 2.7  | ---- | 5.0     | 4.9  | ---- | 6.5      | 6.5  | ---- |
| Hysterectomy.....                          | 53,905             | 0.7                 | 0.7  | ---- | 1.4     | 1.5  | ---- | 2.2      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
| Average age at admission.....                  | 74.1 years | Cancer.....                         | 7.6 %  |
| Proportion female.....                         | 55.9 %     | Chronic cardiovascular disease..... | 36.6 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 1.0 %  |
| Referred by personal or HMO physician.....     | 46.1 %     | Chronic renal disease.....          | 3.4 %  |
| Transferred from skilled nursing facility..... | 1.1 %      | Chronic pulmonary disease.....      | 15.0 % |
| Admitted for elective procedure.....           | 22.0 %     | Cerebrovascular degeneration.....   | 3.9 %  |
| Admitted for emergency.....                    | 46.5 %     | Diabetes mellitus.....              | 8.0 %  |





# **Hospital Comments**

DAN H. ANDERSON, PRESIDENT

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187

Attention: Robert Moore

Dear Dr. Wilensky:

Baptist Medical Center appreciates the opportunity to have data made available allowing for further evaluation of the care the hospital delivers. We, likewise, appreciate the opportunity to provide explanations and summaries of the data so that the reader can be better informed as to the meaning and significance of the data provided.

It is worthy to note that all mortalities occurring in the hospital receive a medical staff review as part of the hospital's on-going monitoring and evaluation of the quality and appropriateness of care delivered. Upon receipt of the Medicare mortality data from HCFA these cases were reviewed again along with the additional cases reported where mortalities occurred outside the hospital.

To further analyze the data, a mathematical formula was applied in order to construct, at a 95% confidence level, whether the difference between the observed and expected mortalities were worthy of further investigation. The model applied provided a statistical basis for determining whether the hospital's actual (observed) rate deviated from the expected (predicted) rate by an amount significant enough that one should conclude that the difference is real and not just result of chance.

By utilizing HCFA's Table A-4, Multiplicative Factors for the Calculation of the Bounds for Prediction Integrals, the hospital's number of cases, predicted mortality rate and standard deviation units within each category were used to create a predicted range. Statistically, at the 95% confidence level, it can be concluded that the hospital's observed rates should fall within the predicted range, 95% of the time.

This exercise provided the following conclusion. None of the "condition" categories fell outside the predicted range. Specifically, for the conditions of acute myocardial infarction, congestive heart failure, pneumonia/influenza, chronic obstructive pulmonary disease, stroke and hip fracture, the hospital's observed rate fell within the predicted range for 30, 90, and 180 days. For the two remaining "condition" categories, sepsis and transient cerebral ischemia, according to HCFA, the number of cases or deaths were too small for statistical estimation.

Similarly, a review of the "procedure" categories reveal all to have too few cases or deaths for statistical estimation with the exception of hip replacement/reconstruction and prostatectomy. In these two cases, the hospital's observed rate, again, fell within predicted levels for all reporting time intervals.

Within the "all causes" category, the hospital's observed rate did fall slightly above the predicted range for 30, 90 and 180 days; 1 percentage point, 1.9 percentage points, and 2.1 percentage points respectively. However, in reviewing the data supplied by HCFA, particularly the demographic information, a curious and consequential error was revealed.

According to HCFA, of the Medicare patients treated 3.3% were transferred from a skilled nursing facility. This is a gross understatement of the nursing home transfers actually experienced. Indeed, a statistically valid sample of the patient list submitted by HCFA showed a skilled nursing home transfer population of 15%. In other words, the actual nursing home transfer population is nearly five times greater than HCFA reported. And, since one of the determinates of the predictable range for mortalities is based on patient origin with skilled nursing facility transfers a factor for increasing mortality, this error is significant.

To underscore this point, authors of an article in the JAMA, April 10, 1991, Page 1849 on analyzing hospital mortality, Jesse Green, Ph.D., Leigh J. Passman, M.D., Ph.D. and Neil Wintfeld, Ph.D. wrote, "Data from the National Center for Health Statistics indicate that mortality among nursing home residents transferred to another facility... is 20%, while the inpatient mortality rate for all Medicare hospitalizations is 6.5%, and nursing home residents are much more likely than non-residents to be admitted with a DNR order."

This conclusion would seem to be borne out by the hospital's experience with this population of patients. A statistically valid random sample of the HCFA patient lists supplied revealed that nearly three out of four of the deaths were transferred to the hospital from nursing homes. Similarly 41% of the mortalities were discharged to nursing homes following hospitalization.

In 1985, Baptist Medical Center launched a remarkable and ambitious program truly unique in the nation. Baptist Medical Center became the principal acute care provider for some 70 nursing homes in the metropolitan area representing over 6,300 beds. Under the arrangement, residents of the nursing homes access Baptist Medical Center for acute episodic and emergency care needs. By the nature of the population served, the patients are elderly, have serious medical conditions, and, often, are seeking hospital care in their final months of life.

Baptist Medical Center staff work closely with a group of physicians who specialize in caring for residents of nursing homes. The Blue Valley Medical Group, as they are known, includes eight physicians. The group has been offering this unique service to the community for more than 20 years.

Within the hospital, a special geriatric clinic has been developed to treat special needs of the geriatric nursing home patients. The clinic is staffed by a team of primary care physicians specializing in geriatric medicine as well as several clinics staffed by physicians in the following specialties: orthopaedics, ophthalmology, dermatology, plastic surgery, neurology, gynecology, cardiology, pulmonary, nephrology, general surgery, otorhinolaryngology, oral surgery, cardiovascular surgery, geropsychiatric, urology, and rehabilitation. This clinic, known as the Adult Health Care Clinic, experienced 7,280 nursing home visits in the fiscal year 1990.

A special transportation van service has been established by Baptist Medical Center for the nursing homes so that non-emergency visits to the hospital can be provided without charge to the home or resident. In 1990, over 14,400 transportation runs were performed.

In addition to the physician group following residents in the nursing homes and the physicians treating patients in the Adult Health Care Outpatient Clinic, another group of physicians focuses their attention in following the patients who require inpatient hospitalization. Because many of the patients are frail elderly, a special 17 bed inpatient unit has been established and appropriately staffed to meet the special needs of this patient population. In addition to this unit's care givers, the unit has access to social workers and case managers with a high degree of experience working with elderly patients and their families. The unit's multi-disciplinary approach with patients and family, teams the nursing staff, social workers, and other care givers so that the patient's health and social needs can be better addressed.

The nursing home geriatric program described, herein, produces considerable inpatient volume to the hospital. For the 1990 period, around 750 admissions and over 7,500 patient days were experienced. Since the program's inception in 1985, a total of 5,428 admissions have been experienced producing over 48,000 patient days of service.

In summary, a review of the HCFA data shows that all reported "conditions" and "procedures" categories for which there are sufficient data, the hospital's mortality rate falls within predicted range. In the case of the "all causes" category, the observed rate falls slightly outside the predicted range. However, given the fact that the hospital's mortality rate falls within 2 percentage points of the predicted range; the fact that the skilled nursing home population is five times greater than that used by HCFA to calculate the predicted range; the fact that the nursing home inpatient population has a mortality rate greater than three times that of the general Medicare inpatient population, it can be reasoned that an accurate predictability range would include the hospital's observed mortality rate.

Baptist Medical Center offers its geriatric services to the community with pride. It is a program that effectively coordinates the work of many community providers so that the population can receive not only comprehensive care but continuity of care as well. By serving this population, it becomes natural that the hospital's services are accessed in the final days of these individuals' lives. It is a consequence that cannot be ignored or avoided if the hospital is to aggressively continue to serve this, heretofore, underserved mission.

Sincerely,

BAPTIST MEDICAL CENTER



Dan H. Anderson  
President

DHA/af



# BARNES

Barnes West County  
Hospital

12634 Olive Boulevard  
St. Louis, Missouri 63141  
(314) 434-0600

March 11, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medical Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

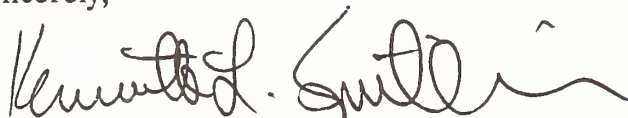
Dear Dr. Wilensky:

This is in response to your mailing of February 28, 1992, reflecting Faith Hospital mortality data. I make the following points:

1. Faith Hospital no longer exists. It was acquired on November 13, 1989 by Barnes Hospital and renamed Barnes West County Hospital.
2. Your database of 149 cases contains 10 deaths (1/3 of the total in the report) which occurred under Faith's ownership.
3. The database also includes 14 patients (alive) who were cared for by Faith.

I request that a separate report be issued reflecting only those patients cared for by Barnes West County Hospital since November 13, 1989 in order to provide the most accurate picture possible of the level of care provided at our hospital.

Sincerely,



Kenneth L. Smithmier  
Administrator

\pc

cc: Marlene Hartmann, Sr. Vice President, Barnes Hospital  
Mary Jellinek Medical Records, Barnes West County Hospital



# Independence Regional Health Center

---

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

RE: Medicare Provider No.: 260095

Dear Mr. Moore:


The Independence Regional Health Center appreciates the opportunity to respond to the 1990 Health Care Financing Administration mortality data. Upon review of our hospital's specific mortality information, the referenced hospital's characteristics were incorrect and should be changed. Please note the following:

Total Beds - 331 staffed/366 licensed  
Ownership/Control - Change to private/not-for-profit church-sponsored  
Total Number of Physicians - 273

In regard to the 1990 mortality information, each of the referenced diagnostic categories for our hospital was within the predicted mortality range.

Following your review of our comments, should you have any questions or desire additional information, please do not hesitate to notify us.

Sincerely,

  
Darrell Moore  
Chief Operating Officer

DM/dg



LAKESIDE  
HOSPITAL

---

*caring is our concern*

Medicare Provider Number: 260016

March 9, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187

Dear Ms. Wilensky:

As of January 16, 1992, Lakeside Hospital ceased operations.

Sincerely,

Michael D. Cress,  
Assistant Administrator

LMW/kk



FRED R. MILLS  
President

# MISSOURI BAPTIST MEDICAL CENTER

3015 North Ballas Road  
St. Louis, Missouri 63131  
314/432-1212

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

Medicare Provider  
Number 26-0108

Dear Mr. Moore:

Missouri Baptist Medical Center is concerned about the format used to report the Medicare Hospital Mortality Rates. The reporting format, chosen by Medicare, does not enable the reader to judge the statistical significance (or insignificance) of a variation from the expected mortality rate.

Of greater importance to the Medical Center, is the inclusion in the data base of deaths which occurred up to 180 days after discharge. By expanding the time frame, beyond discharge, Medicare includes deaths which occurred outside the institution and for which information usually is not available to the Medical Center. Obviously, many deaths occurred at other institutions at a later time and it is impossible for us to evaluate the potential relationship between the patient's death and the reason for the previous hospitalization at the Medical Center. The admission at the Medical Center and the later cause of death may be totally unrelated. Neither we nor the reader have the ability to assess this relationship.

We appreciate the opportunity to submit our comments and to alert the reader to the difficulty in assessing the data you present.

Sincerely,

Blaine J. O'Connell  
Vice President - Finance



34th & Indiana • Joplin, Mo. 64804 • 417-623-4640 • (FAX) 417-625-4463

March 19, 1992

Provider # 26-0137

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medical Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Mr. Moore:

We have reviewed the Mortality Statistics for Oak Hill Hospital for the past three years. At first glance it would appear that we were 1.2 standard deviations from the median for 1990, 1.8 and 1.1 respectively for 1989 and 1988. After further review it becomes obvious that the "All Causes" category is the only real area that falls out of the norm. The fact that only one specific category in 1990 and 1989 are measureable and none of the specific categories in 1988 is a certain indicator that the data is suspicious.

On page A-2 of your instructions, "The precision and interpretability of our estimates are questionable when the standard deviation could not be calculated (generally in categories with no deaths or 50 or fewer cases). For these instances, dashes, "\_\_\_", are placed in the standard deviation columns." Our hospital data reflect "dashes" in 15 of the 16 specific categories yet you report a standard deviation in the all causes category.

Once again the data you are presenting is misleading and cannot be of any possible use in accomplishing your stated goals of "improving the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries". It would be more appropriate to publish only those hospitals and their data that is sufficient to accomplish your goals.

Sincerely,

*Keith Adams*  
Keith Adams  
President

c. Gary Tolivar - Missouri Hospital Association





DON SIPES  
Chief Executive Officer

PHIL HAMILTON  
Chief Operating Officer

Medicare Provider No. 260079

March 9, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187  
ATTN: Robert Moore

Dear Dr. Wilensky:

I would like to comment on the data contained for this facility in the 1992 HCFA Mortality Data Release (Federal Fiscal Year 1990 discharges).

In our analysis of the data, we note the following:

-The average age at death has increased over the three year period:

- .1988--80 years
- .1989--82 years
- .1990--83 years

-136 of the 152 deaths were in patients over age 70, with the following breakdown in age categories:

- .Age 70-79--41 deaths
- .Age 80-89--57 deaths
- .Age 90-99--36 deaths
- .Age 100 or greater--2 deaths

-The hospital death rate for 1990 was 4.2 percent, with an average age on admission of 77.9 years.

-73 of the 152 reported deaths (54 percent) did not occur during an inpatient stay at Pershing Memorial Hospital.

-The largest number of deaths were attributed to a principal diagnosis of pneumonia/influenza. A particularly severe epidemic of virulent pneumonia and influenza hit our service area in waves during that period of time. Our patients are predominately older and debilitated persons who are disproportionately prone to these illnesses and are much more likely to suffer complications from these disease processes.

-There has been a growing trend for nursing homes to bring residents who are in a terminal state to the hospital to make every effort to give them any chance at survival through acute care intervention. There are also no hospices in our area and thus, the hospital often serves as a place for the patient to die with pain control and family support available.

-All mortalities occurring in our facility are reviewed against established quality screens. Additionally, the Missouri Patient Care Review Foundation (Missouri's Peer Review Organization) often performs further outside review.

-Only 6 deaths occurred in persons younger than 65 years of age. Two of those persons did not die at Pershing Memorial Hospital. Because of the possibility of breaching the requirements to protect patient confidentiality, I will comment on those cases in a separate letter, but I would note in general that two of these cases did not die at Pershing Memorial Hospital and that each patient had medical conditions for which death could have been anticipated.

I would like to take this opportunity to again voice support for processes that help educate consumers and provide assistance to them in making healthcare decisions. In each previous year, Pershing Memorial Hospital's data has remained within expected thresholds of predicted mortality. While I believe that this annual report is making some progress in refining its analytical techniques, I still remain very much concerned about the opportunities for misinterpretation or misuse of the data reported. I do not believe that, in its current form, it serves any purpose in evaluating quality of care, due to the extremely high variability of patient mix and external circumstances.

Pershing Memorial Hospital is accredited by the Joint Commission on Accreditation of Healthcare Organizations. We have an effective system of quality review and remain committed to quality improvement. We conduct quality screens of every case which results in mortality (as well as numerous other quality screens by diagnosis, procedure, resource utilization, and other indicators), continually seeking ways of improving the care and services we deliver. This report will be reviewed within that context by our Medical Staff and by the persons responsible for management and governance of the facility.

Thank you for the opportunity to comment.

Sincerely,

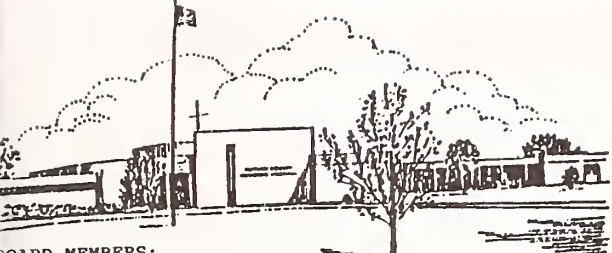


Don Sipes  
Chief Executive Officer

# PUTNAM COUNTY MEMORIAL HOSPITAL

1926 Oak Street  
UNIONVILLE, MISSOURI 63565  
Phone 947-2411 or 2412

MEMBER MISSOURI HOSPITAL ASSOCIATION



BOARD MEMBERS:  
Richard Ingersoll, Chairman  
Norma Owings, Secretary  
Nettie Lewis  
Fred Minear  
Richard Clark

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

3/16/92

Provider Number: 260128

Re: Annual release of Medicare Hospital Information  
For Publication

Dear Mr. Moore

Please accept the comments enclosed from the Administration and Physician Staff of Putnam County Memorial Hospital regarding the upcoming publication of the annual release of Medicare Hospital mortality information for the fiscal year October 1, 1989 to September 30, 1990.

We have reviewed the information dated February 28, 1992 and wish to comment on our findings:

We are listed as a Medicare Dependent Facility

Putnam County Memorial Hospital is a rural hospital with limited diagnostic equipment therefore patients travel to larger facilities for specialized Diagnoses and Treatment, however for convience and personal preference return to this facility during end stages of the disease process. This would obviously raise the mortality rate in this facility.

In reviewing the mortality list we find forty-six deaths with four reported deaths outside the 180 day perimeter of the survey. Of the remaining observed deaths our review indicates 24 "No Code Orders" were written on the Physicians Orders. This means the patient and or family wished no resuscitative or life saving measures to be preformed. Eight others were found to have "No Codes" on previous admissions.

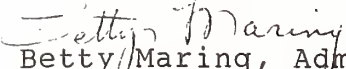
The breakdown into age groups revealed:

|                   |           |
|-------------------|-----------|
| Medicare Under 65 | <u>0</u>  |
| Medicare 65-70    | <u>2</u>  |
| Medicare 71-80    | <u>12</u> |
| Medicare 81-90    | <u>23</u> |
| Medicare 91-100   | <u>9</u>  |
| Medicare over 100 | <u>0</u>  |

The AHA Annual Survey of Hospitals lists Putnam County Memorial Hospital as having 7 Physicians. There are 2 Physicians on active admitting staff with the remaining five being surgeons and physicians on courtesy staff with no active admitting priveleges.

We are also listed as having a 30 bed acute facility, however there are 10 ICF/NF beds and a Skilled Unit.

Respectfully Submitted

  
Betty Maring, Administrator



# Research Medical Center



2316 East Meyer Boulevard  
Kansas City, Missouri 64132

816/276-4000  
FAX 816/276-4387

---

Medicare Provider Number: 260027

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Ms. Wilensky:

Research Medical Center maintains a proud tradition of providing quality care to all of the patients we serve. In order to ensure the highest level of quality, we maintain a host of programs that monitor and evaluate the care given at our institutions. Examples of those programs would include our quality assurance program, utilization review function, and continued accreditation with the JCAHO. Within our institution, we also conduct a review of every death as one of several assessment tools. While Research Medical Center compares favorably to the overall predicted range within the Medicare Mortality Statistics published by HCFA, we feel the need to comment on this data being used as a mechanism to measure quality of care.

Our commitment at Research Medical Center expands beyond our walls to the community we serve. As a tertiary referral center, we have several programs in place to serve our outlying rural communities in the most appropriate setting. Within Research Medical Center we have concentrated these programs into four clinical centers of excellence, namely, The Center for Neoplastic Diseases, The Center of Cardiovascular and Pulmonary Diseases, The Center for Renal Diseases, and The Center for Neurological, Orthopedic, and Rheumatoid Diseases. This approach leads to a large volume of admissions to Research Medical Center of severely ill patients, which have both higher mortality and morbidity rates.

The Medicare Hospital Mortality Report provides some information on adjusted average mortality rates for those patients served by the Medicare Insurance Program. It does not provide adequate information to make judgements about any institutions. The data attempts to predict ranges for average mortality rates in given categories. While this

statistical model does include several variables (some that have been added since the last publication) there are several variables still missing. Without such adjustments, the information merely shows variation from national averages. While we recognize that HCFA is gathering information about the usage of severity systems, no information has yet been provided.

The categories of data within the report continue to show small numbers of discharges. This is shown by the majority of categories not having enough data to calculate a standard deviation. Several categories have very large standard deviations which show a very broad dispersion of data. It would be helpful to have categories that have a greater amount of discharges to increase the confidence interval of the data. Based on the low volumes in these sub-categories, the "All Causes" categories may be the only one with statistical significance.

We support efforts to measure quality of care. We also recognize that HCFA is attempting to work toward that goal for the Medicare population. We strongly encourage that future publications of data, however, be presented in a format that recognizes quality indicators as opposed to statistical indicators of a group of patients.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dan H. Anderson", with a long horizontal flourish extending to the right.

Dan H. Anderson, President  
Research Medical Center

DHA/wc



# St. Joseph Health Center and St. Joseph Hospital West

Executive Offices 300 First Capitol Drive, St. Charles, Missouri 63301, (314) 947-5148

#260005

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

ATTENTION: Robert Moore

Dear Ms. Wilensky:

The following is a summary of brief comments on the Medicare Hospital Information - 1992 data of this facility provided to us for review.  
(Re: Page 228)

St. Joseph Health Center participates in a retrospective study of cardiovascular surgical patients based on the publication of Victor Parsonnet, M.D., FACC, et al entitled, "A Method of Uniform Stratification of Risk for Evaluating the Results of Surgery in Acquired Adult Heart Disease", which can be found in Circulation, Volume 79, No. 6, June 1989. The criteria reported in this article utilizes a multivariate logistic regression model and is applied to the specific population of patients treated with cardiovascular surgery at this institution. This allows a more accurate determination of co-morbidities and calculation of expected mortalities.

Utilizing this methodology above a variance from Medicare's reported hospital information, which suggests St. Joseph Health Center observed mortality to be 10.5% and predicted mortality to be 7.3% is noted. Parsonnet's criteria, more accurately considering co-morbidities, indicates different statistics. In subsetting patients treated at this facility and examining those 65 years and older whose primary procedure is a CABG, the observed mortality is 6.3%, while predicted is 14.6%. (See Attachment)

Also, regarding angioplasties, there were 2 mortalities out of 24 producing 8.3% observed mortality, compared to 2.9% predicted mortality. It is significant to note that both deaths involved salvage angioplasties.

Sincerely,

KEVIN KAST, PRESIDENT

LK:ap  
c:3/18/92

Attachments







Provider # 260085

People caring for people.

## Comments on the HCFA Mortality Data

### Data Verification

The 1990 data used by HCFA indicate that of 2,440 Medicare discharges, a total of 505 patients died within 180 days of admission. Of these, 162 died while still an inpatient at Saint Joseph Health Center and the remaining 343 died after discharge. Of these 343 patients, it is not possible for us to verify their deaths or determine whether their deaths were related in any way to the illness for which they were previously hospitalized.

The HCFA 1990 data indicate that 2,440 Medicare discharges occurred at Saint Joseph Health Center while our own records indicate that 3,791 Medicare discharges occurred during 1990. We presume the difference is because the Health Center's count includes multiple admissions of individual beneficiaries, whereas HCFA statistics reflect only one randomly selected admission for each patient.

Without detailed information concerning the billing data that was available to HCFA in computing the predicted mortality rate, it is impossible to verify the accuracy of the diagnostic or other data used in the analysis.

### Interpretive Remarks

In all the categories reviewed by HCFA, the observed mortality for Saint Joseph Health Center was below that predicted at 30, 90, and 180 days post admission, the exception being two categories (Sepsis and Cholecystectomy) with insufficient cases or deaths for a satisfactory estimation. Of the 40 patients reviewed with sepsis among their diagnoses, 16 died; 7 while an inpatient at Saint Joseph Health Center. Their average age was 79 years and all had multiple body system failures. Of the 37 patients having cholecystectomies, 5 died; 4 died while an inpatient at Saint Joseph Health Center. Two patients died from metastatic adenocarcinoma and two from an acute myocardial infarction. A cholecystectomy was not their principal procedure nor the reason for their admission.

These very favorable mortality rates are evidence of Saint Joseph Health Center's continuing commitment to an ongoing institution-wide program of quality assessment and quality management. HCFA Mortality Data, supplied to us on an annual basis, is one group of data elements considered in our Quality Management Program.

1000 CARONDELET DRIVE  
KANSAS CITY, MO 64114  
8 1 6 • 9 4 2 • 4 4 0 0





**St. Louis Regional  
Medical Center**

*5535 Delmar Boulevard  
St. Louis, Missouri 63112  
Telephone (314) 361-1212*

Provider No. 26-0008

March 16, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Mr. Moore:

We have received mortality data on Medicare patients admitted to St. Louis Regional Medical Center in Federal Fiscal Year 1990, and we appreciate the opportunity to comment.

St. Louis Regional Medical Center is one of a group of urban hospitals across the nation that have a special mission to serve a disproportionate share of low income and uninsured patients. In our comments on previous releases of Medicare mortality data, we have objected that the analysis of this data did not adequately weigh the risk factors and severity of illness of our particular patient population. Your agency has acknowledged this at the time of previous releases of Medicare mortality data.

Despite the fact that our mortality rates for fiscal year 1990 fell well within the "predicted" range, we feel that these mortality rates will be of very limited usefulness to our hospital and others because of the failure to adjust them adequately for patient factors beyond the control of hospitals and physicians.

Sincerely,

Sherman P. McCoy  
President and  
Chief Executive Officer

SPM/mb

Medicare Number: 260138

Hospital Mortality Information Response  
Comments Provided by

Saint Luke's Hospital of Kansas City  
Wornall Road at Forty Fourth  
Kansas City, Missouri 64111

To verify the 1990 mortality data provided by the Health Care Financing Administration, Saint Luke's Hospital compared HCFA data with our own Medical Records and Quality Assurance Department reports. Overall, we found the HCFA information to be consistent with our own findings in these areas.

We did find some inconsistent data in the "Hospital Characteristics" section. Saint Luke's Hospital is licensed at 686 beds. In 1990 we reported 623 operational beds (567 operational beds if nursery and intensive care nursery are excluded). In 1990 we listed 325 active and associate physicians, 92 percent of whom were board certified.

The hospital also reported 120 residents, 665 registered nurses, and 38 licensed practical nurses during that year.

None of the diagnostic categories warrants additional information. Saint Luke's was under the predicted rate for the 30-, 90- and 180-day mortality rates studied for the "all causes" category. Within each specific diagnostic and surgery category, we fell within the expected range for mortality given the predicted rate and standard deviation provided by HCFA.

It should be noted that the mortality information released cannot provide a complete measure of quality of care. While the report provides information which hospitals can use in addition to their own data on these issues, there continues to be a need for additional statistical measures to further address such significant and complex qualifiers as severity of illness which will vary from hospital to hospital.

Saint Luke's Hospital is a tertiary care center providing a full range of specialized services to patients in a five state region. More than 25,000 patients are admitted to the hospital each year. Of these patients, approximately 30 percent are referred from outside our primary service area.

In 1990 the hospital provided care for more than 22,000 emergency patients and 87,000 outpatients and delivered more than 3,200 babies. Medicare patients accounted for 35 percent of our total patient population and 50 percent of our patient days (both figures exclude newborn statistics).

As a regional referral center providing tertiary care,

Medicare Number: 260138

Saint Luke's Hospital sees more complex patients, generally with multiple diagnoses. We treat significant numbers of high risk patients through our cardiac, cancer, obstetrical, neuroscience, and trauma programs. We also provide the area's largest dialysis and kidney transplantation program.

Saint Luke's Hospital is the only Level 1 Trauma Center in a private hospital. We provide regional cardiac care, including the only Medicare-approved heart transplant program in the region, through the Mid America Heart Institute. To support the cardiac and trauma services as well as other specialty areas of the hospital, Saint Luke's sponsors a helicopter air ambulance service.

Saint Luke's Hospital also provides a full range of health care related programs for patients and the general community. The hospital also provides a number of support programs for patients and their families.

Saint Luke's Hospital has served the Kansas City community and the five state region for more than 100 years as a nonprofit institution. Since its founding, the hospital has been a teaching institution and today is a primary teaching hospital of the University of Missouri-Kansas City.

In addition, Saint Luke's Hospital supports the Residents Clinic which provides care for more than 16,600 indigent and low income patients each year. Approximately \$7.2 million in uncompensated charity health care is provided by the hospital each year. This figure does not include uncompensated care associated with the hospital's participation in Medicare and Medicaid and other reimbursement plans.

Saint Luke's Hospital has an ongoing program to review quality of patient care and ensure appropriate utilization of services to all patients. We have embarked on a total quality improvement program which will lead towards a total quality management program. The hospital's Quality Assurance Department, in cooperation with the quality assurance committees of the medical staff, nursing and administration, conducts ongoing assessments of patient care including surgical case review, mortality review, pharmacy and therapeutic review, blood utilization review, medical records review, antibiotic and drug usage evaluation and infection control. Each of the hospital's patient care departments also has an internal Quality Assurance program that reports to a hospital Quality Assurance committee. The hospital also maintains a Risk Management Department. Saint Luke's Hospital meets the standards set by the Joint Commission for Accreditation of Hospitals in all areas.



# truman

TRUMAN  
MEDICAL  
CENTER

EAST

*A Tradition of Excellence*

Office of the  
Administrator

7900 Lee's Summit Road  
Kansas City  
Missouri  
64139-1246  
(816) 373-4415  
Fax (816) 373-4215

March 18, 1992

Medicare Provider #260102

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Blvd.  
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Ms. Wilensky:

We have carefully reviewed the FY1990 mortality rates for Truman Medical Center-East as calculated by the Health Care Financing Administration. The observed mortality rate for all causes in each post-admission time period is above the statistically predicted rate; however, in all cases it stays within two times the standard deviation, which indicates that the difference has 19 chances out of 20 to be simple statistical variability.

Twenty (31%) of the 65 deaths listed in the FY 1990 detail report represented deaths occurring in the inpatient setting. Forty-five deaths (69%) occurred at various intervals up to twelve months subsequent to the hospitalization listed.

A significant factor in any assessment of mortality rates for Truman Medical Center-East is the fact that our hospital is the primary site of acute care for an attached 212-bed long-term care facility. Out of the 65 individuals included in this calculation, 24, or 37%, were residents of the Truman Medical Center-east Long-Term Care facility and six, or 9%, were residents of other nursing homes in our community. Average age of these residents is 83.

We appreciate this opportunity to comment and are encouraged to see that our mortality rates are falling within the acceptable range predicted by HCFA.

Sincerely,

  
Ross P. Marine  
Administrator

cc: Dr. Paul A. Williams, Chairman-Department of Community & Family  
Medicine  
Pat Tyson, Director of Medical Records

Employment & Services  
Provided On A  
Non-discriminatory Basis

Primary Teaching Hospital  
for the  
University of Missouri  
Kansas City Schools  
of Health Sciences



















CMS LIBRARY



3 8095 00015206 2

ISBN 0-16-037856-7



90000

9 780160 378560